

Index to Advertisements on Page 8.

COPYRIGHTED, 1896, BY THE NATIONAL PROVISIONER PUBLISHING CO.



THE NATIONAL PROVISIONER.

The Organ of the Provision and Meat Industries of the United States.

Entered at the Post Office, New York, and admitted for Transmission through the Mails at Second-Class Rates.

NEW YORK CITY: 284-286 Pearl Street. | PUBLISHED WEEKLY. | CHICAGO: 817 and 818 Manhattan Building, Dearborn Street.

Vol. XV.—No. 21.

NEW YORK AND CHICAGO, SATURDAY, NOVEMBER 21, 1896.

Subscription, \$4.00 Per Year.
Single Copies, Ten Cents.



Taber Rotary Pumps.

SPECIALY ADAPTED TO PUMPING

Oils, Fats, Brine, Glue, Soap, etc.

Put in on Positive Guarantee and
long trial before paying.

PUMPS { HOT COLD THICK THIN } FLUIDS.

TABER PUMP CO., BUFFALO, N. Y.

Write for catalogue and price list.

ESTABLISHED 1857

ROHE & BROTHER,

ESTABLISHED 1857

PORK AND BEEF PACKERS AND LARD REFINERS.



CURERS OF THE

CELEBRATED "REGAL" HAM, BREAKFAST BACON AND SHOULDER.

Manufacturers of the famous brand "PURITY" Lard.

Goods for Export and Home Trade in any desired package.

MAIN OFFICE: 264, 266, 268 WEST 33d STREET.

EXPORT OFFICE: 344 Produce Exchange.

PACKING HOUSES,

284, 286, 288 West 33d Street.

534 to 540 West 37th Street.

535 to 543 West 35th Street.

547 to 549 West 35th Street.

NEW YORK.

CASINGS, NELSON MORRIS & CO.,

HOG & BEEF

U. S. Yards, Chicago.—13 Jay St., New York.

Carefully cleaned.

Quality the best.

WOLF, SAYER & HELLER,

MANUFACTURERS OF
EVERYTHING IN

BUTCHERS' SUPPLIES,

HOG, BEEF AND SHEEP CASINGS, OWN CLEANING,

~ REFRIGERATORS, BLOCKS, FIXTURES, ~

"THE BEST OF EVERYTHING."

Main Office and Factory, FULTON and PEORIA STS.,
CHICAGO.

Hamburg, Albinstr. 9, Hammerbrook, Germany.
Sydney, N. S. W., Australia.
Christchurch, New Zealand.

120 PEARL STREET,
NEW YORK.

COUNTRY BUTCHERS

Can get 1-2 cent extra for their Hides if they will take off and care for them according to Page's directions. It will cost you only a postal card to get them, for they will be sent free, post-paid, to any Butcher who will send his address and mention this paper. Write for them to-day to the undersigned, who wants to buy your Hides, Calf-skins, Sheep Pelts, Tallow and Bones.

CARROLL S. PACE, Hyde Park, Vermont.

Fischer Mills Pure Spices ARE THE BEST AND CHEAPEST. 393, 395 & 397 GREENWICH ST., NEW YORK.

SEE WEIR & CRAIG MANUFACTURING CO.'S ADVERTISEMENT, PAGE 22.

ARMOUR & CO., PACKERS, CHICAGO.

In addition to all usual products of HOGS and CATTLE, including our unrivaled STAR HAMS and BACON, we manufacture

GLUE, CURLED HAIR,

BREWERS' ISINGLASS,

PURE ANHYDROUS AMMONIA.

The Superiority of Our Goods is Well Known.

Armour Packing Co.

**Kansas City,
U. S. A.**

PACKERS AND JOBBERS.

PRIME WHITE LABEL PORK, LEAF LARD,
GOLD BAND HAMS AND BREAKFAST BACON.

PRICES MADE ON SWEET PICKLE PORK and
BEEF HAMS UPON APPLICATION.

**ALL FRESH AND CURED
MEAT PRODUCTS.**

REMINGTON MACHINE COMPANY, Wilmington, Delaware.
MAKERS OF REFRIGERATING AND ICE MAKING MACHINERY.

ICE PLANTS by both the CAN and PLATE Systems.
We carry a large stock of Ammonia Valves and Fittings also with pattern return beads for brine circulation. Send for prices.

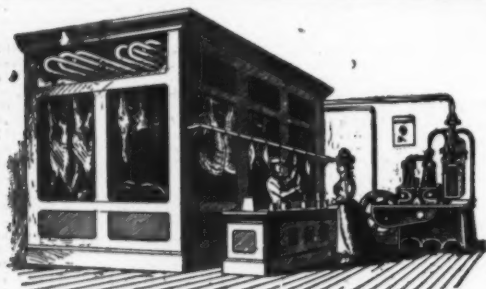


We have the MOST SUCCESSFUL SYSTEM of Mechanical Refrigeration for Abattoirs, Cold Storage Houses, Pork Packers, Markets, Butchers, Breweries, Hotels, and for ALL PURPOSES to

ARMOUR'S SOAP

ARMOUR'S WHITE, Absolutely pure, snow white Floating Soap, 10-oz. and 6-oz. cakes. Nothing finer made.
 ARMOUR'S LAUNDRY, A guaranteed pure neutral Laundry Soap. 12-oz. oval cake, fits the hand.
 ARMOUR'S FAMILY, Best Soap made for all Family purposes. 16-oz. solid cake of pure Soap.
 ARMOUR'S COMFORT, 12-oz. square cake, pure Laundry Soap. There's comfort in its use.
 ARMOUR'S WOODCHUCK, 10-oz. wrapped cake, Floating Laundry Soap. "It's a wonder and a winner."
 ARMOUR'S KITCHEN BROWN, A pound bar of good Scouring Soap.
 ARMOUR'S MOTTLED GERMAN, A Soap of wonderful cleansing and lasting properties. Cut in pound bars. Superior to all washing compounds, elixirs, etc. It is the Perfection of quick acting, labor saving "cleansers."
 ARMOUR'S WASHING POWDER,

THE ARMOUR SOAP WORKS, CHICAGO. **ARMOUR & CO.,**
 PROPRIETORS.



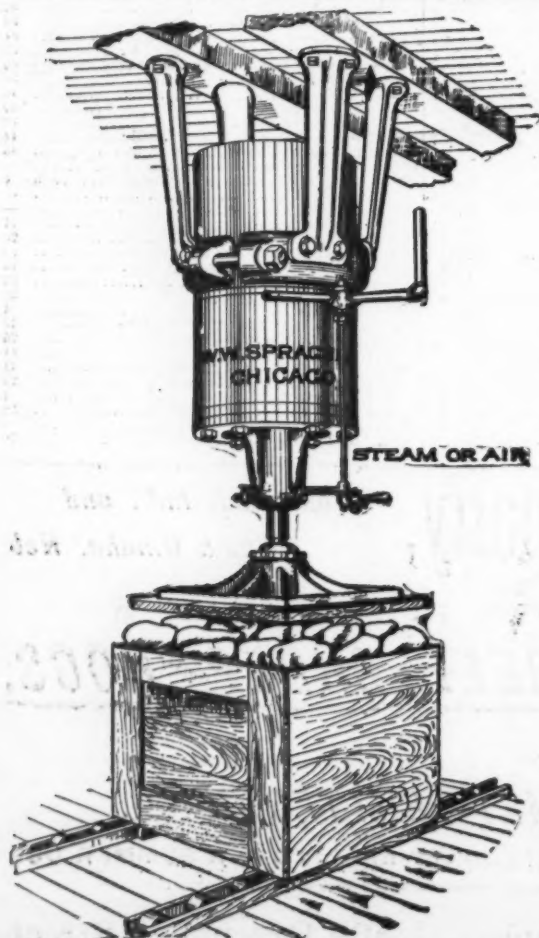
THE **BEST** REFRIGERATING
 MACHINE
 — Ever Made.

The ONLY expense of running is the cost of motive power and our machine requires LESS power than any other Refrigerating Machine.

ASK FOR CATALOGUE.

The Economical
Refrigerating Co.

1507 FISHER BUILDING,
 . . . CHICAGO, ILL.



BOX

PRESS

CYLINDER SUSPENDED FROM THE CEILING BY ADJUSTABLE RING. THIS GIVES ADJUSTMENT FOR LARGE AND SMALL BOXES. PISTON HAS AMPLE STROKE WHICH WITH THE ADJUSTING RING MAKES IT VERY CONVENIENT OF OPERATION AND ECONOMICAL IN THE USE OF STEAM OR AIR.

SIMPLE TO OPERATE.

RECOMMENDED AND USED BY

ARMOUR & CO., Chicago and Kansas City.
 SWIFT & CO., Chicago.
 THOMAS J. LIPTON COMPANY, Chicago.

The W. W. SPRAGUE CO.
CHICAGO, ILL.

J. F. BEHN.

CARL BEHN,

THE BUFFALO REFRIGERATING MACHINE CO.

CONTRACTS TAKEN FOR
ARTIFICIAL ICE, REFRIGERATING AND COLD STORAGE PLANTS.

General Offices: 28 and 29 City Bank Building, 319 Main Street, Buffalo, N. Y.

New York Office: 52 JOHN ST.

Philadelphia Office: 435 CHESTNUT ST.

Manufacturers of Refrigerating Machines and Plants of any desired capacity for the cooling of Packing Houses, Abattoirs, Cold Storage Warehouses, Breweries, Dairies, Confectioneries, etc.

Also for the manufacturing of Artificial Ice by the Can System and by their New Improved Direct Ammonia Plate System.

We Make a Specialty of COLD STORAGE AND REFRIGERATION
FOR BUTCHERS AND PACKERS.

DESCRIPTIVE CIRCULARS, REFERENCES, DETAILED ESTIMATES AND INFORMATION FURNISHED ON APPLICATION.



THE WM. MILD ICE MACHINE CO.

SOLE MANUFACTURERS OF

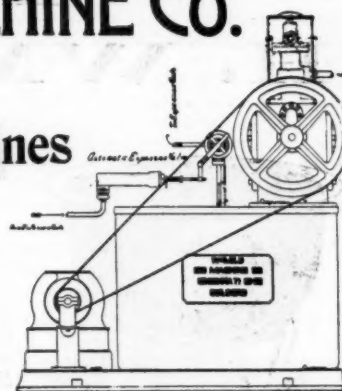
MILD'S PATENTED AUTOMATIC

Ice and Refrigerating Machines

Ranging in Capacity from 50 lbs. upward,
Furnishing Ice, Cold Storage or Both.

REMOVED TO **CHARLESTON,**
KANAWHA CO., WEST VA.

SMALL MACHINES OUR SPECIALTY. Also Mild's Automatic Ammonia
and Water Regulator.



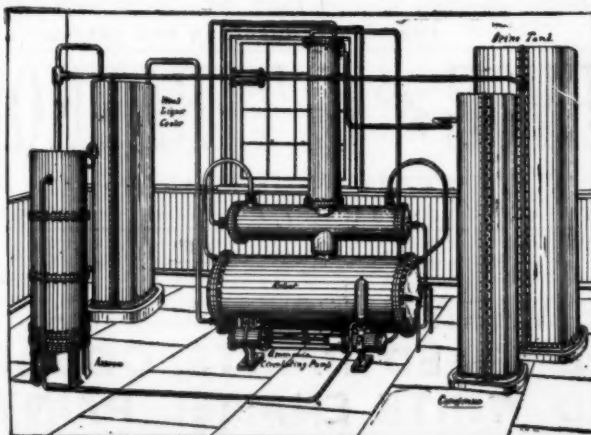
Simplest. Best. Lowest Price.

CONDUCT ICE-MAKING OR REFRIGERATING MACHINE.

Uses Less Fuel, Than Any
Uses Less Water, Other System

BUILT BY
STEELE & CONDUCT,
JERSEY CITY, N. J.

CORRESPONDENCE
SOLICITED.



(PATENTED.) CUT REPRESENTS PLANT.

REFERENCE LIST.

KANENBLEY BROS., Provisions,
New York City, N. Y.
THE NEW YORK BISCUIT CO.,
Cracker Mfg., New York City, N. Y.
WALLACE & CO., Confectioners,
New York, N. Y.
CENTRAL LARD CO., Lard Refiners,
New York, N. Y.
BUSH BROS., Provisions,
Jersey City, N. J.
JAMES McILHINNEY, Provisions,
Jersey City, N. J.
D. FULLERTON & CO., Slaughterers,
Paterson, N. J.
MONMOUTH ICE CO., Mfg. Ice,
Seabright, N. J.
FIDELITY WAREHOUSE & COLD
STORAGE CO., General Cold Storage,
Trenton, N. J.
PETERSBURG CRYSTAL ICE CO.,
Mfg. Ice, Petersburg, Va.
WM. GRANT'S SONS, Provisions,
Springfield, O.
ISAAC WHIFFEN'S SONS, Provisions,
Utica, N. Y.
OOOKE BROS., Oil Works,
Elizabeth, N. J.
HOTEL MARGARET, Brooklyn, N. Y.

THE FRED. W. WOLF CO.,

Eastern Offices:
Bourse Building,
PHILADELPHIA, PA.
18 Broadway, NEW YORK.

Offices: 139 to 143 Rees Street,
Factory: { 302 to 330 Hawthorne Avenue,
 { 139 to 171 Rees Street,

CHICAGO.

SOLE MANUFACTURERS FOR THE U. S. OF THE CELEBRATED

LINDE REFRIGERATING & ICE MAKING MACHINE

Over 2,200 Machines now in actual operation, of which 319 are in Packing Houses. Send for Catalogue and complete list of users.

SWIFT & Co.....	Chicago.....	20-50...1000	S. SAN FRANCISCO PACKING Co.....	Baden, Cal.....	2-50...100
G. H. HAMMOND Co.....	So. Omaha, Neb.....	4-75...300	LOUISVILLE PACKING Co.....	Louisville, Ky.....	1-100...100
G. H. HAMMOND Co.....	Hammond, Ind.....	9-100...200	FORT MADISON PACKING Co.....	Fort Madison, Ia.....	2-50...100
SWIFT & Co.....	So. Omaha, Neb.....	4-50...200	UNDERWOOD & Co.....	Chicago.....	2-40...80
SWIFT & Co.....	Kansas City, Mo.....	1-100...100	IOWA PACKING Co.....	Clinton, Ia.....	1-75...75
QUADANT PACKING Co.....	Nashville, Tenn.....	2-100...200	CINCINNATI ABATTOIR Co.....	Cincinnati, Ohio.....	1-75...75
QUADANT PACKING Co.....	Sioux City, Ia.....	2-75...150	HAMMOND STANDISH Co.....	Detroit, Mich.....	1-75...75
UNDERWOOD & Co.....	Chicago.....	2-75...150	ALTON PACKING AND REFRIG. Co.....	Alton, Ill.....	1-60...50
ST. JOSEPH PACKING & TRANS. Co.....	St. Joseph, Mo.....	1-100...100	J. & F. SCHROTH PACKING Co.....	Cincinnati, Ohio.....	1-60...50
ARMOUR PACKING Co.....	Kansas City, Mo.....	1-100...100	M. LAING & Co.....	Montreal, Canada.....	1-25...25
			MICHIGAN BEEF AND PROV. Co.....	Detroit, Mich.....	1-25...25

THE National Ammonia Company.

The Recognized Standard of Quality
Throughout the World.

ABSOLUTELY DRY AND PURE.

General Offices,

.... St. Louis, Mo.



LIQUID ANHYDROUS AMMONIA

AND AQUA AMMONIA.

Can be had of any of
the Representatives
named herewith.

Liverpool, Eng.—Jas. Simpson & Co.
Philadelphia.—Theo. J. Goldschmid.
Baltimore.—Wm. Mitchell.
St. Louis.—Mallinckrodt Chemical Works.
Larkin & Scheffer.
Kansas City.—Wm. H. Jennings.
San Francisco.—Pacific Ammonia and Chemical Co. Hermann & Co.

New York.—W. M. Schwenker. Mallinckrodt
Chemical Works. The De La Vergne Refrigerating Machine Co.
Boston.—The Lyons & Alexander Co.
Wilmington.—Delaware Chemical Co.
Buffalo.—Kast Copper and Sheet Iron Co.
Detroit.—Michigan Ammonia Works.
Cleveland.—Cleveland Commercial Co.

Cincinnati.—Herman Goepper & Co.
Chicago.—A. Magnus' Sons.
Fuller & Fuller Co.
Milwaukee.—The Chas. Baumach Co.
Pittsburg.—Union Storage Co.
New Orleans.—C. J. Michailoffsky.
Houston.—W. I. Bettis.

THE LEADING HOUSE.

H. WM. DOPP & SON,

MANUFACTURERS OF

SOAP MAKERS' and BUTCHERS' MACHINERY,

462 ELLICOTT STREET, BUFFALO, N. Y. U. S. A.



STEAM JACKETED KETTLE.

ONLY HIGH GRADE GOODS AND ABSOLUTELY THE BEST.

Seamless Steam Jacketed Cast-Iron Kettles, with and without Agitators,

Improved Lard Dryer, Mixer and Cooler,

Steam Jacketed Vacuum Pans, etc. Full Line of Soap Makers' Machinery.

DESCRIPTIVE CIRCULAR AND CATALOGUE ON APPLICATION

F. W. DEVOE AND C. T. RAYNOLDS CO.

ESTABLISHED 1755.

THE OLDEST AND LARGEST PAINT MANUFACTURING

CONCERN IN THE WORLD.

NEW YORK:

101-103 FULTON STREET.

CHICAGO:

176 RANDOLPH STREET.

FINE VARNISHES FOR ALL PURPOSES.

PURE MIXED PAINTS, COLORS DRY AND IN OIL.

HARD WHITE ENAMEL PAINT,

GRAPHITE PAINT TO PREVENT RUST ON IRON WORK.

BRUSHES.

WRITE US FOR INFORMATION, SAMPLES AND PRICES.

MANUFACTURERS OF

THE NATIONAL PROVISIONER,

The Organ of the Provision and Meat Industries of the United States.

PUBLISHED WEEKLY.



THE NATIONAL PROVISIONER PUBLISHING CO.,

ROBERT GANZ & CO., PROPRIETORS.

NEW YORK CITY:
284 & 286 Pearl St.

PHILADELPHIA:
3 South Front Street.

KANSAS CITY.

CHICAGO:
617-618 Manhattan Bg.
Dearborn St.

LONDON, England:
29 Farringdon Road,
E. C.

ST. LOUIS.

BOSTON:
45 No. Market St.

CABLE ADDRESS: "SAMPAN, NEW YORK."

SUBSCRIPTIONS.

Per Annum, invariably in advance, in the U. S.
and Canada - - - \$4.00
Foreign Countries, except Canada (£1) - - - 5.00

NEW YORK AND CHICAGO.

Vol. XV. Saturday, November 21, 1896. No. 21.

COPYRIGHTED, 1896.

52 PAGES.

TABLE OF CONTENTS.

EDITORIAL:

Increased to 52 pages.....	7
Healthful Signs of the Times.....	7
The Future of Lard.....	7
Oleo Oil as a Cooking Fat.....	7

WEEKLY REVIEWS:

Provisions and Lard.....	9
Tallow and Oleo Stearine.....	11
Hides and Skins.....	13
Cottonseed Oil.....	17
Chicago Provision Review.....	15
Rotterdam Oleo Report.....	37
Tips on the Markets.....	15
Kansas City Letter.....	21

TECHNICAL:

Glue Series—About Hair from Glue Mak- ing.....	23
Soap Making. No. 18.....	23
Answers to Correspondents.....	35

DEPARTMENTS:

Packing House Notes.....	29
Ice and Refrigeration.....	33
Tallow, Soap, Glue, Fertilizer and Cotton Oil Trade Notes.....	27

GENERAL:

Business Changes.....	33
New York City and Vicinity.....	35
New York Produce Exchange Notes.....	19
Patents—American and Foreign.....	31
Van Den Bergh's Margarine Co. (Ltd.).....	27
Markets.....	39, 41, 43, 45

Index to Advertisements, Page 3.

Our London correspondent gives an interesting account of the meeting of the Van den Bergh Margarine Co. (Limited), which ought to be of interest to the American meat and

provision trades. It shows what immense profits there are in the manufacture of the article, and it illustrates at the same time how fair a state the industry could be brought in this country and how many hands could be employed in same, were it not constantly hampered and bothered by Legislative restrictions which emanate from old prejudice rather than from a thorough investigation of the case.

INCREASED TO 52 PAGES.

"The National Provisioner" is increased this week by four pages, now containing fifty-two in all. It has been apparent to us for some time that such a step was needed, and with the general revival of business, it will be necessary in the not distant future to make a still further increase in the size of the paper. From a modest beginning, this journal has advanced to the front rank, and by its able advocacy of the interests of the great industries it represents, it has steadily maintained its lead. We appreciate the confidence which our subscribers and advertisers generally repose in us and the esteem in which the paper is held. It will not be our fault if "The National Provisioner" in the future does not continue to merit the support and confidence of a vast and intelligent constituency.

HEALTHFUL SIGNS OF THE TIMES.

The export statistics for the first ten months of the present year are at hand, and a study of the figures reflect in a gratifying manner the true commercial condition of the country. In all the staples unexampled progress has been made, not only in the volume exported, but also in the new fields which have been secured for the distribution of our manufactured products. For the ten months ending October 31 the exports of provisions are valued at \$135,351,713, as compared with \$125,598,555 for the same period in 1895, this representing a net increase of nearly \$10,000,000, the increase during November being most pronounced. For the month of October the returns of fresh beef exports show \$18,755,874, as compared with \$13,732,471 for October, 1895. Tallow exports aggregate \$3,068,179 for October, as compared with \$796,358 for October of the previous year. Bacon, pork and lard, however, have decreased in the quantities exported for the month of October, as compared with that of 1895, but it is a matter for surprise that under such untoward conditions, which at this time beset the export trade of the country, such progress as that recorded should have been made. With sufficient ship room accommodation it is certain the exports of all products would have been very materially increased during the period under review notwithstanding the fact that as matters now stand the export figures for 1896 bid fair to attain a record unequalled in the history of the country. In oleo oil exports for October a gain of \$890,793 is recorded, as compared with those of October, 1895. The decline in oleomargarine exports is noticeable, October of this year being accredited with \$452,198, while October of 1895 reached the sum of \$862,800. We have reason to suppose that owing to the contemplated amelioration of existing restrictive laws here and abroad these figures may be substantially reversed. That the best interests of consumers, foreign and domestic, will be subserved thereby should permit of no question, and we take pleasure in commending the movement. The demand for freight room is unprecedented. Not only are tramp steamers brought here in ballast and pressed into service, but so also are regular liners from other ports. The

Hamburg-American Line has brought a steamer in ballast from its West Indian service to help out its fleet running between New York and European ports, notwithstanding that two extra steamers were despatched last month and further ones engaged for November and December.

Prosperity is at hand, prospective trade conditions being of a most encouraging character, while being warranted by those current.

THE FUTURE OF LARD.

We do not look upon the future of lard as a packing house product with equanimity. While we do not believe that in the immediate future the price of this commodity will go as low as it has been recently, there is no denying that lard has lost considerable of its prestige as a food product, and we doubt whether it will ever regain its former popularity and position, much less will it approach the range of high prices which it has commanded for so many years. The causes for this are manifold, and they are not altogether to be ascribed to increase in the number of fat hogs and consequently of pure lard. We believe that the consumption of lard in this country has much decreased. Not alone that many bakers (cracker makers excepted), use cottonseed oil for their purposes, but the general demand on the part of the consuming public has decreased. The reason for this must be sought and can be found in the overproduction of lard compounds of an inferior nature. Too many so-called pure lards have come to market which tasted and smelled more like "pure tallow" than pure leafard, and many a housewife that used to buy "lard" finds beef fat and other cooking fats preferable. The inhabitants of the Russian steppes, the Kirgises, the Icelanders, the Laplanders and some South Sea Islanders eat pure tallow and drink codliver oil as a refreshment. The Simian people, however, can hardly be educated to the same taste and unless tallow will hereafter go more largely into soap than into lard, we see no chance for the latter commodity to regain its former commanding position. Plenty of good fat hogs are in sight and hence plenty of pure lard will be made. Compounds consisting of cottonseed oil, lard and stearine are devoid of obnoxious odors and taste and will be more popular than all the others, and these should be cultivated if compounds are wanted. Tallow has other channels and can be put to better usage.

OLEO OIL AS A COOKING FAT.

Is there a more clean and wholesome fat than the so-called oleo oil, made from the best caul or abdominal fat after same has been carefully washed immediately after the animal was slaughtered, and which is then after being chopped, chilled and macerated, was dissolved by steam to an oily mass of a partially solid granulated substance of a pale yellow color without distinguishing taste or odor? After this process it was ladled into linen cloths and spread upon metal plates in powerful presses, whence emanates the pure, wholesome and clean oleo oil. Why do our packers and slaughterers not make any attempt to sell that cleanest and best of fats in unadulterated form as a cooking and baking fat?

We believe a ready sale could be made and a demand created for pure ox fat, and that it would rapidly take the place of butter in many instances, while the pretext of impurity or unwholesomeness now often laid at the door of butterine would not hold. Farmers would see it to be to their interest to encourage the sales of this fat and then could not go before their legislatures asking them to prohibit the sale of it without hurting their own pocket more than any one elses.



**Columbia
teaches the
merchants of
all nations
how to make
more money.**

During the entire week of October 19-24 two hundred and fifty National Cash Register sales agents from all over the world were in convention at the Grand Opera House, Dayton, Ohio. The foreign delegates studied the secrets of successful American storekeeping. They contributed, also, many new ideas of the most prosperous European merchants. There were practical discussions by experts on window dressing, store organization, proper systems for handling sales, and other vital questions to retailers. All this information can be had for the asking as soon as our printing presses, which are running night and day, can get it out. Requests will be filled in the order they are received. Send in your name and address at once. Address Department F, The National Cash Register Company, Dayton, Ohio.

PROVISIONS AND LARD. WEEKLY REVIEW.

RAIDING, LIQUIDATION AND LOWER MARKETS have been the features of the past week, with larger receipts of hogs, most of the time, though falling considerably under expectations midweek. Lard has been the objective point of the bears, led by the packers, who have seemed determined to force the market for products down, in order to break the price of hogs. In this they have been aided by a 6c. decline in wheat and weak grain markets generally, most of the time but especially by the liquidation of the ante-election bulls, who bought for a gold victory boom after election, in which the packers encouraged them while they filled the demand at the advance. Now they have turned on their deluded followers, as usual, and sold them out, adding another to the crop of fools perverted, which are raised in these markets biennially. Little sympathy can be excited for such asses, who ought to have known better than to have looked for any such result of the election, as we were on the gold basis during last year's unprecedented low records. They now have the experience, the packers have got the money, and the "outsider" will probably remain "outside" the market for a month or so until the packers are ready for "another killing," when there is likely to be a new crop of fools ready for slaughter. There is no more patience than sympathy to be wasted on speculators like these, and as long as they want to be led they will find leaders. As to the real situation of the market, however, the feeling has grown distinctly bearish during the week, as it has in all of the produce markets in which an after election boom was anticipated, it having failed to materialize in everything except stocks. Of course there was no reason to expect this, except upon sentimental ground, as the situation of our export staples was controlled by conditions abroad more than at home. Those conditions affecting provisions, have been before alluded to in this article, chief of which is an unusually large supply of native hogs in Europe and a short crop of feed stuffs, which, when exhausted, as they are about being already, will result in an unusually early marketing of the hog crop of both Great Britain and the Continent, which will supply local demands from now until after the new year, leaving exporters meantime almost wholly cut out of our market for products of all kinds. Indeed, they claim that little American stuff will be wanted until next spring in addition to the supplies now already on the other side and going forward on old contracts, with practically no outlet for our products except domestic trade. Increased receipts of

hogs incident to the beginning of the packing season could hardly fail to cause lower prices in the absence of speculative demand. Two weeks ago it looked as if this speculative demand was coming in, and as if it might get sufficient headway, to stampede the shorts and scare them into covering. But this is no longer the situation, as it is the bulls that have been stampeded into throwing over their long stuff. The packers, therefore, control the situation absolutely, and so long as their interest is to keep products down in order to buy hogs cheap we shall see weak if not lower markets, although prices have got back to a lower level than had been believed of late, would be reached again on this crop, namely, practically 4c. in New York for prime Western steam lard. At this writing, however, there is a cessation in the bear raiding, caused by 6,000 less in hogs in Chicago on Wednesday than expected and by a cessation in the liquidation in wheat and in selling by the packers. This latter was the chief cause of the late decline, hence when the packers ceased selling on Wednesday offerings suddenly became light, and the market reacted quite easily and sharply, and they were compelled to turn about before the close and sell the market off again, in order to prevent it advancing on their attempts to cover. The reaction in wheat also had more influence than of late on provisions, while Cudahy may have been buying them as he was wheat, in which latter he was successful in advancing the market 2c., though provisions scarcely recovered their early decline, as the packers kept selling till the close, apparently to give the market a weak ending. Commission houses were prominent sellers on the decline of early week, especially on Tuesday, whose sales were supposed to represent outside longs, yet there has been a hint that the packers sold through these commission houses to create this impression in order to get the crowd to sell short. Undoubtedly there is a heavy short interest in these markets, as there has been for months, which has been increased the past week, yet, of course, with heavy receipts of hogs from now on the packers will be able to cover their shorts with their own manufactures. As to the outlook for heavy receipts, it is generally considered favorable from this time on, as the farmers have held back their hogs until fed nearly to the point that it ceases to pay to feed them longer, or will so soon as cold weather shall come, when it is expected there will be a heavy increase, even over present figures, as the hogs are generally ready for market and only waiting for cooler weather to come in. With such conditions as to foreign demand, as noted above, and as to home supply, the legitimate situation would not seem to favor much of a

reaction, if any, at present, unless the unexpected shall happen, and the shorts get scared into covering, which they are liable to do at any time at current low prices. As to domestic cash trade, some despatches have reported material improvement in Chicago the past week, and a fair improvement in general, but in other cases a very light trade has been reported still. The former applies more particularly to domestic cuts of meats and possibly pork, but cannot apply to lard in the Continent in absence of export or refining demand, as neither has amounted to anything for the week, refiners only working on old contract and small retail orders for home and South American trade.

Beef products have not yet followed in the wake of hog products, as the supply of cattle at the West is still reported light, and current demand is about equal to the reduced production, hence packers have been very firm in their views and held prices at the late advance on all grades of packed beef, and have advanced beef hams in Chicago to \$16.50 and \$17.50 for New York, cost and freight asked, but very little doing West, with the Eastern trade holding off, as consumption of hams was never smaller, if so small, as this year, which is also true of canned beef. Sales of city packed beef for the week have been about 900 bbls., at former quotations on packet and family, and 400 tcs. of extra India mess at the range of quotations below.

On Saturday last the option market in Chicago broke 7½c. on pork and lard and 2½c. on ribs on estimates of 44,000 hogs for Monday and 195,000 for this week in Chicago. Spot price in New York for Western lard was nominal, at 4.42½@4.45c., cost and freight 4.40c. asked, tank lard 4.20c., without a transaction reported in either, and city 4.15c. nominal; refined for the Continent 4.75c. Hogs in Chicago were 5c. off and in New York ¼c., the only transactions in cash stuff being 200 bbls. of pork at 8.25@8.75c. for mess, 9 @10c. for clear, and 50 bxs. of clear bellies at 5½c.

On Monday Chicago lost 10c. on pork, 12½c. on lard, and 5c. on ribs, with 58,000 hogs instead of 44,000, as estimated, while the price for spot lard in New York dropped to 4.30c., cost and freight 4.25c., and tank lard to 4.07½c., with city 4c., and only 100 tcs. of the latter sold at that. Refined for the Continent broke to 4.60c., South America 5c., Brazil 6.10c., with hogs ¼c. off in New York, and 10 to 15c. in Chicago on a total West of 88,000 against 76,000 last year. Not another transaction was reported in New York, except of jobbing lots of meats, at easier prices, and 150 bbls. of pork at Saturday's quotations.

On Tuesday receipts of hogs fell back to 28,000 in Chicago, as usual on that day, yet

TREDWELL & SIMPSON, Provisions,

240 La Salle Street,

CHICAGO.

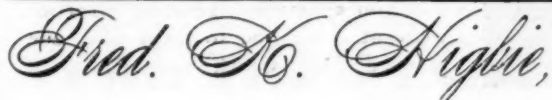
BROKERS

in everything in the line of

Packing House Products

MEMBERS CHICAGO BOARD OF TRADE.

CORRESPONDENCE INVITED.



General Packinghouse Supplies.

SUITE 514-516,

TELEPHONE, MAIN 4668.

36 LA SALLE ST., CHICAGO, ILL.

If you are interested in purchasing your supplies from headquarters at the right prices, don't forget to figure with me.

FULLERS EARTH

HICKEY & SPIEKER CO.

IMPORTERS,

CONTINENTAL BANK BLD'G.

218 La Salle Street, CHICAGO.

Lard and Oil Refiners and Soap Manufacturers: pronounce our Earth the Best on the Market.

PENNSYLVANIA IRON WORKS COMPANY

PHILADELPHIA.

BUILDERS OF THE **BOYLE**

PLANS AND ESTIMATES

FURNISHED OF

REFRIGERATING PLANTS

For Breweries, Cold Storage
Warehouses, Markets, Hotels,
Packing Houses, Chemical Fac-
tories, etc.

Ice Making AND Refrigerating Machine

BUILDERS OF **GAS AND GASOLINE ENGINES**

FOR STATIONARY AND MARINE SERVICE.

ALSO, ICE MAKING PLANTS OF
ANY SIZE CAPACITY REQUIRED.

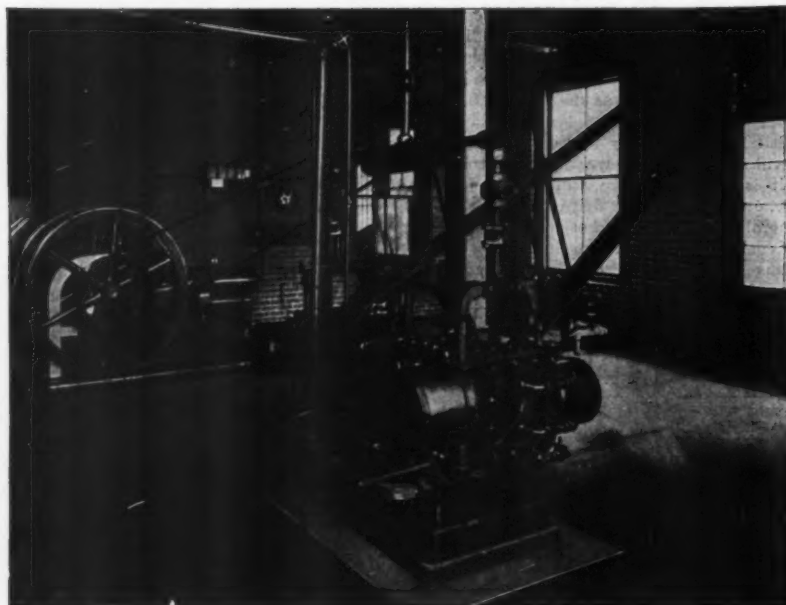
Catalogues, Testimonials and other information
furnished on application to

New York Office, 621 BROADWAY.

Southern Office, 44 BULL BLOCK, LOUISVILLE, KY.

Pennsylvania Iron Works Co.

50th ST. AND LANCASTER AVE., PHILADELPHIA.



Refrigeration.

This cut illustrates a plant driven by
a gas engine at Newton Centre, Mass.,
in a general market.

If you want to know the superiority
of our refrigerating machinery, we will
tell you how to learn from those who
have practical experience with it in
their daily business.

If you wish to combine first-class ice
making with refrigeration we will show
you what satisfaction means in a plant
running 18 boxes and making four tons
of pure, clear plate ice per day.

If you want a refrigerating plant all
we want is for you to learn what our
plants do for those who use them.

Westinghouse, Church, Kerr & Co. ENGINEERS,
MANUFACTURERS OF REFRIGERATING MACHINERY,

Complete plants installed to run with any kind of power with the least
care and attention and at the lowest cost. A good refrigerating plant is a
money saver. A poor one is worse than useless. Let us know what you
want to do and learn how we propose to do it. Address our nearest office.

NEW YORK, 26 Cortlandt Street,
BOSTON, 53 State Street,
PITTSBURG, Westinghouse Bldg.,
CHICAGO, 171 La Salle Street.

prices were 5c. off on estimate of 40,000 for Wednesday, while pork broke 15c., lard 12½c. and ribs 7½c. for the day. In New York spot price of Western lard was 4.20c., asked cost and freight 4.17½c., and tank 3.87½@3.90c., with city 3½c. bid, with small sales at that, although most cutters held at 3.90@4c. Refiners dropped the price of Continent to 4.50c., South America 4.90c. and Brazil 6c. Nothing whatever was doing in meats, outside of jobbing lots, and only 200 bbls. of pork. It was on this day that the free sales of tank lard in Chicago were reported at 3.85c. to soap makers, having been done late the day before, the price of lard having gone below that of tallow in Chicago, which was 4½c. for choice packers on that day. This was something that did not occur, even on the big break in lard last crop, for tallow was still under the price of lard. This, therefore, is a new feature in the lard situation, and may at last furnish some new outlet for this surplus production. A prophet who would have predicted ten years ago that the price of lard would ever go below both that of tallow and cotton oil, its then adulterants, would have been thought a fit candidate for a lunatic asylum, yet such is the revolution since then in this trade, and these conditions apparently seem permanent so long as the present production of corn and hogs keeps up.

On Wednesday receipts of hogs in Chicago were only 34,000, against 40,000 estimated, and 67,000 at the West, against 104,000 a year ago. This, with the higher wheat market, caused an advance in Chicago, after a weak and lower opening, caused by an opening break in wheat, yet the close was 7½c. off on pork, 5c. on lard and 2½c. on ribs for the day, under the late selling by packers. Spot Western lard was offered in New York at 4.10c. without buyers, cost and freight 4.07½c., tank 3.82½c., and nobody wanted them, so far as reported at that, the only sale reported so far during the week having been 250 cost and freight after 'Change on Monday, at 4.25c. to local refiners. One hundred tes. of city lard were sold at 3½@3¾c., 200 bbls. of pork mess sold at former quotations, and 150 short clear at 9.50c. In meats 12 lb. bellies were offered at 5½c., 10 lbs. 5¼c., hams 8¾@9c., shoulders 4½c., although round lots of the latter could have been bought at 4c., and hams at 8½c., with no orders whatever for bellies in the market at any price, so far as could be learned, outside the weakest kind of local

(For later reports see page 37.)

TALLOW AND STEARINE. WEEKLY REVIEW.

TALLOW has been completely nominal in the New York market, for city, since our last, when there were orders reported in the market for France at 3½c., although 3½c. was the best open bid; while melters were generally out of the market or asking 4c., which was equivalent to the same thing. On Monday they moderated their views to 3¾c., while 3½c. might have been obtained, though

3½c. only was bid. But Tuesday a change had come over the situation; exporters had withdrawn from the market, melters were willing to sell at 3½c., and neither export nor local buyers were found above 3½c., while on Wednesday the London market went 6d. lower, with 2,200 casks offered, and comparatively none sold, even at the decline. This changed the outlook for the foreign markets coming in and relieving city melters of their accumulations, estimated by the trade last week as high as 3,000 hds., to which must be added this week's production of 750, less 250 deliverable on weekly contracts, but this was not the worst of the situation, for Chicago (which has hitherto been the strongest and most active market in this country, closing up at the end of last week firm at 4½c. for choice packers' tallow, after sales of 5,000 tierces, most of which was reported in our last) unexpectedly had the bottom knocked out by a break in prime steam lard, to \$3.85 in tanks, at Chicago, at which free sales were reported, on that day, in that market, to local soap makers, against 4½c. asked for tallow. This condition of affairs was something that had not been looked for, notwithstanding it was well known that packers had been on the bear side of the provision market since election, determined to keep prices down, both of hogs and products. Yet few had expected to see them break prices so severely as they have been able to do since then; and especially in lard, which has been raided and hammered until the outside long interest has been compelled to liquidate their holdings. It is said that this was largely held by the bulls who bought before election, in anticipation of a boom after it, whom the packers filled up then, at advancing prices, and have now shaken out. This has suddenly changed the situation in tallow from the strong position of the past month or two, and left it without support, either from soap makers or exporters. In the meantime, Chicago has dropped back to 3c. on No. 2 packers' tallow, with a considerable accumulation of this grade for some time past, as it has not been wanted, although the supply of choice was well cleaned up last week, and only this week's production remains there, unsold. At the same time the demand at New York by local soap makers for country tallow has fallen off, as they see the markets going down, at the West and abroad, and lard still on the down grade. Hence the strength of the situation, apparent a week ago, has been lost, at the moment, and, unless exporters come into the market at a decline and relieve it, not only of the accumulations at New York and other seaboard markets, but as well, of No. 2 at the West, there does not appear to be much prospect of maintaining present prices unless the lard market turns up again. It has been supposed that the French markets were on the eve of coming in again, although we noted at the close of last week, that while some French shippers claimed that they had orders at 3½c., others were unable to sell in the French markets at that price, which discrep-

ancy was thought possibly to be due to some short interest here, on the part of exporters to the French market, for November shipment; but, if so, they have made up their minds to wait and the same parties that reported orders at 3½c. last week now report none whatever. At the same time, the same parties are offering La Platte tallow, laid down in New York, at 4½c. Such an unexpected change about in the outlook, seemed to have surprised even shippers themselves, who now admit that France is the only source from which demand can now be expected, to relieve the market of what is again evidently a surplus production, over current domestic consumption. There has not been a transaction in city tallow reported in New York since our last, and only jobbing sales of country, ranging from 50,000 to 100,000 lb a day, at from 3½@3¾c. early in the week, down to 3½@3¾c. at the close, although some fancy lots still bring 3¾c., and some offgrades not more than 3¼c., one house having sold 500 tierces for the first three days of the week at those prices. Edible tallow has scarcely moved, being quoted 3½c. for country at the close against 4c. at the opening and 4½c. for city against 4¾c. early in the week. To indicate the nominal course of the market daily 3½c. was bid last Saturday for city tallow and none whatever offered.

On Monday 3½c. was bid and 3¾c. asked, with orders at 3½c. and sales of 150,000 lb of country at the above quotations.

On Tuesday the market was entirely nominal at 3½c., though there were sales rumored at that price but not confirmed. It was on this day that the total sales for last week, in Chicago, of 5,000 tierces, as noted above, were increased by 2,000 tierces more, at 4½c., all to the local soap trade.

On Wednesday, city was offered at 3½c. New York and 3½c. indifferently bid, with no sales reported, except of the 500 barrels above noted, for the first three days of the week.

STEARINES have been almost, if not entirely, neglected and nominal since our last, with lard offered down to 4¾c., if not 4½c., to arrive, New York, for Western, with little if any demand at 4½c., while city has been reduced to 4½c. with nothing but jobbing sales at the decline, following the course of the lard market; as neither local refiners nor exporters have been in the market for either. Oleo stearine has also been hung up, since our last, nominally at 5c. in Chicago and 5½c. New York, with 4¾c. the best bid in either market, and that only for small lots, by local refiners; while accumulations in both markets are unquestioned, though pressers could sell no more by reducing their prices; and hence, hold at the figures above named, without a transaction of any importance reported in either market since our last.

OILS.—We noted at the close of last issue, sales of oleo oil in Rotterdam at 40 florins, a drop of 3 florins for the week, but without particulars of transactions. It was learned, however, on Saturday, that 500 bbls. had been sold at that price, for the best brands, including Harrison's and United, with 1,000 additional reported on Monday at the same price, since when nothing has been reported in the way of sales; although he market is weak, with an expected further decline from 40 florins, as demand is very light and arrivals not all sold.

In Lard Oil there has been very little doing even at declining prices, in sympathy with lard, though quoted down to 41@42c. for New York City make. Western nominal in absence of offerings. Neatsfoot oil has been steady, on limited supply at 60@70c. for white, 47@53c. for prime, 45@48c. for No. 1, and 41@43c. for No. 2. Only a small domestic trade has been reported in anything, exporters being out of the market.

(For later reports see page 37.)

WM. HOOTON & CO.

MEMBERS
CHICAGO BOARD OF TRADE.



BROKERS,

OFF LARD AND GREASE A SPECIALTY.

LARD, OILS, TALLOW, GREASE, Etc.

FULLERS EARTH

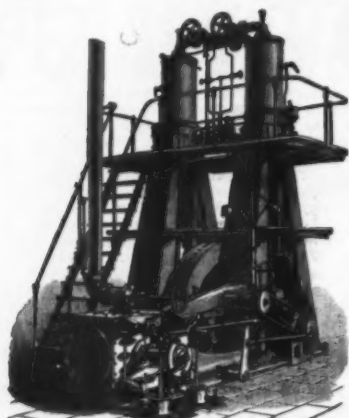
THE BEST ON THE MARKET.

[Correspondence Invited.]

As used by the leading Packers,
Lard Refiners, Soap and Cotton
Oil Manufacturers.

R. F. ABBÉ,

60 and 62 New St., New York.



FRICK COMPANY ENGINEERS.

ESTABLISHED 1853.
INCORPORATED 1885.

S. B. RINEHART, President.
A. O. FRICK, Vice-President.
H. B. STRICKLER, Treasurer.
EZRA FRICK, Gen'l Man. & Sec.
THOMAS SHIPLEY, Manager Ice
& Refrigerating Machine Dept.

Capital, \$1,000,000.

Manufacturers of the ECLIPSE ICE MAKING AND REFRIGERATING MACHINES. We build the largest and most successful Ice Making and Refrigerating Machinery made in this or any other country. Send for our list of References and New Ice Machine Circular for 1896, describing latest improvements and methods for Making Ice and Refrigerating. Also builders of First-class CORLISS STEAM ENGINES. Send for Corliss Engine Circular, 1896. Special High Speed (New Pattern) AUTOMATIC STEAM ENGINES. Send for High Speed Engine Circular, 1896.

Corliss Steam Engines. Ice Making Machinery.

High Speed Engines. Steam Boilers.

**Frick Company, WAYNESBORO,
ENGINEERS, FRANKLIN COUNTY, PA.**



MEAT HOOKS

All Malleable Iron, Tinned.
Easily detached and quickly
replaced when cleaned, also

**PLAIN NATIONAL
MEAT HOOKS...**

MANUFACTURED BY

Thomas Devlin & Co.



Third Street and Lehigh Avenue, Philadelphia, Pa., U. S. A.

WALTER A. BANTA,

(SUCCESSOR TO GEO. A. BANTA REFRIGERATOR CO.)

**Nos. 31 & 33 TENTH AVE.
NEW YORK.**

BUILDER OF REFRIGERATORS AND FREEZERS FOR ALL PURPOSES.

**SMALL FREEZERS
FOR POULTRY AND GAME
A SPECIALTY.**

ESTIMATES AND PLANS FURNISHED FOR THE INSULATION OF PACKING HOUSES, MARKETS AND COLD STORAGE ROOMS.

PORTABLE REFRIGERATORS FOR BUTCHERS AND HOTELS.

... REFER TO ...

RICHARD WEBBER, 120th St. & Third Avenue, New York.
S. OPPENHEIMER & CO., 84 Pearl Street, New York.
HALSTEAD & CO., 200 Forsyth Street, New York.
MERCHANTS REFRIGERATOR CO., 161 Chambers Street, New York.
INTERNATIONAL PROVISION CO., Degraw Street, Brooklyn.
DILLON & DOUGLASS, New Haven, Conn., and many others.

RESERVED
FOR

... THE

SEIBERT REFRIGERATOR WORKS

MANUFACTURERS AND BUILDERS OF REFRIGERATORS, CHILL ROOMS, BUTCHER AND MARKET FIXTURES AND SUPPLIES.

Write for Estimates, Plans and Prices.

Eighteenth and Federal Sts., CAMDEN, N. J.

ARCTIC FREEZING CO.

TELEPHONE, 1053 CORTLANDT.

STORES, 119, 120 & 121 WEST STREET,
NEW YORK.

BOOTMANN & ROBINSON, GOLD STORAGE AND FREEZING.

Proprietors.

WANT AND FOR SALE ADS, can be found on PAGE 50.

HIDE AND SKIN MARKETS. CHICAGO.

PACKER HIDES.—The packer hide market is firm and packers maintain a confidence that is not favorable to tanners that expect to buy at lower prices. While admitting that hides are high, it is well known that the supply is not large either in this country or Europe. It is true that there are some European hides coming this way, but from the best information attainable there is no probability of any large quantity coming, over for reason that Europe cannot spare them, and in proof of that we find that prices on the other side are nearly as high as they are here, so that we must depend mainly on the supplies in this country for green-salted hides. It is claimed that there are fewer cattle to come in than in previous years, some even claiming that there are less cattle by 5,000,000 head though that seems rather an extreme figure, though this may be possible, as ranchmen in the last four years claim to have found it unprofitable to raise and fatten cattle, and in many cases they have gone out of the business. Tanners are holding back as much as possible from buying hides, hoping that prices may drop back, if ever so little, and beside if tanners come in and buy freely prices would be sure to go higher even than they now are. We quote.

NATIVE STEERS, 60 lbs. and up, are held firm at 10½¢, with sales of several cars at that figure. October spready hides sold at 10½¢.

No. 1 BUTT-BRANDED STEERS, 60 lbs. and up, are quoted 9@9½¢, 9½¢ for August and September and 9¢ for November hides.

No. 1 TEXAS STEERS, 60 lbs. 9½¢@9¾¢, with sales at 9½¢, with 8¾¢@9¢, for light.

No. 1 COLORADO OR SIDE-BRANDED STEERS, 60 lbs. and up, we quote at 8@8½¢, but no sales above 8¢, though packers claim to be asking 8½¢.

BRANDED COWS, held at 8½¢, but no late sales reported.

No. 1 NATIVE COWS are marked up to 10¢, with the light selection at the same price. Three months ago the same kind of hides sold at 6¢, a pretty stiff advance.

NATIVE BULLS quoted at 7½¢@7¾¢, with branded at 6½¢.

CHICAGO COUNTRY HIDES.—The market is more quiet, but no signs of lower prices; in fact, dealers have been buying more at country points than they did a week ago, so that they must expect even higher prices than those now ruling. Hides suitable for upper leather are scarce and the rise in prices in the last three months has been in some cases fully 80 per cent. We quote:

BUFF HIDES, 40 to 60 lbs, firm, at 9@9½¢. The receipts of bulls are light, showing that there cannot be many held at country points, as the high prices would surely uncover them and bring them to market.

EXTREME LIGHT HIDES, 25 to 40 lbs., show no change for the past few days. No. 1's bring 9½¢, with No. 2's 8½¢.

NATIVE STEERS, 60 lbs and up, No. 1's free of grubs and brands, 9¢, with No. 2's at 8¢.

SIDE-BRANDED STEERS, 60 lb. and up, 7½¢ flat.

BULL HIDES, 7½¢ for natives; 6½¢ for No. 2's.

CALFSKINS, 7 to 15 lbs., are active and quoted at 10½¢@11¢, with sales at 10½¢, and 2,000 at 11¢, with No. 2's at 9½¢; 11½¢@11½¢ has been offered for city skins.

KIPS, 15 to 25 lbs., have advanced and 1,000 sold at 10¢ for No. 1's and 8½¢ for No. 2's.

DEACONS, 40@45¢.

SLUNKS, 25¢ each.

HORSE HIDES are in better demand at slightly better prices. We quote for good lots, 2.75@3.00.

SHEEPSKINS, steady and numerous sales of small lots at slightly higher rates.

NEW YORK.

GREEN SALTED CITY HIDES.—The market is very quiet apparently for the reason that the prices are too high to suit the ideas of tanners. Up to the present only sales of 1,200 hides have been reported, 600 butt-branded and 600 side-branded. No sales of native hides. The take-off is larger than the sales, so that all the sellers have some hides on hand, though they appear to be very confident that they will be able to get present asking prices, while the tanners hold off, and some of them say that they will not pay present asking prices unless the prospect for higher prices for leather is better. We quote:

NATIVE STEERS, 10½¢, at which figure sales were made last week, but no late sales.

BUTT-BRANDED STEERS, 60 lbs. and up, are held strong at 9¢, at which price 600 were sold.

SIDE-BRANDED STEERS, 60 lbs and up are more firm at that figure.

COWS, 8½¢@9¢, but no late sales to report.

BULLS, 7½¢, with very few to offer.

COUNTRY COWS, nominally, 8¢. The receipts are light, so that there are but few to offer.

CALFSKINS.—There is a good demand, so that all receipts are readily taken. The prices remain steady and firm at 13@14¢ per lb. Good country stock selected brings about the same prices.

HORSE HIDES are in better demand, with slightly higher quotations, though the demand is mainly for export. Lots of first-class hides bring 2.75@3.00, though the outside figure given is an extreme one.

CATTLE TAILS are in fair demand and horse tail meet with a ready market at good prices.

BOSTON.

HIDES.—The market is strong and only limited supplies on hand. Buff hides are hard to get and prices are not only high but are strong at the high prices, though tanners are not large buyers and are working far from full capacity. We quote:

BUFFS, 9@9½¢, with a good deal of strength on the outside figure.

NEW ENGLAND HIDES are well cleared up, so that buyers find but very few when they come in for supplies and under such conditions it is not strange that holders are firm in their prices. We quote 8½¢@9¢, with the late sales at 8½¢.

CALFSKINS, are very firm at the latest advances, and all good, fresh stock is readily taken at full prices.

SHEEPSKINS are in good demand and considerable lots have been moved at full prices.

PHILADELPHIA.

HIDES.—In sympathy with all other hide centers the market is very strong with only moderate stocks on hand to offer. Dealers have been cautious about operating for the reason that prices at country points are high, so that there has been but little chance for profit and at the high rates dealers have felt that perhaps instead of further advances we might get at least a slight set back, in which event the dealer would be on the wrong side so that most of the dealers have kept rather quiet. We quote steers and cows at same figure, 8@8½¢.

BULLS, 6½¢@7¢, with no offerings.

CALFSKINS.—Heavy skins are in good demand and all offerings are readily taken at full prices. The light weights are not so saleable as the heavy. There are but few coming in, so that the trade is limited.

SHEEPSKINS.—Prices are steady; market quiet.

CHICAGO PACKER HIDES.

We quote: Native steers, 60 lb. and up, 10½¢; butt-branded steers, 60 lb. and up, 9@9½¢; side-branded steers, 60 lb and up, 8@8½¢; Texas steers, 60 lb. and up, 9½¢@9¾¢; Texas steers, 50 to 60 lb., 8½¢@9¢; branded cows, 8½¢; No. 1 native cows, 55 lb. and up 10¢; Bulls, No. 1's, 7½¢@7¾¢; bulls, No. 2's 6½¢.

CHICAGO COUNTRY HIDES.

Buff, 40 to 60 lb., No. 1's, 9@9½¢; Buffs, 40 to 60 lb. No. 2's, 8½¢@9¢; Extreme light, 25 to 40 lb. No. 1's, 9½¢. extreme light, 25 to 40 lb. No. 2's, 8½¢; native steers, 60 lb. and up, No. 1, 9¢; native steers, 60 lb. and up, No. 2, 8¢; side-branded steers, flat, 7½¢; heavy cows, 60 lb. and up, No. 1, 9½¢; heavy cows, 60 lb. and up, No. 2, 8½¢; side-branded cows, flat, 7; bulls, No. 1, 7½¢; Bulls, No. 2, 6¢; Calfskins, No. 1, 10½¢@11¢; calfskins, No. 2, 9½¢; kips, No. 1, 10¢; kips, No. 2, 8½¢; deacons, 40@45¢; slunks, 25¢; horse hides, No. 1, 2.75@3.00; horse hides, No. 2, 1.75@2.00.

NEW YORK.

Native steers, 10½¢; butt-branded steers, 9¢; side-branded steers, 8¢; cows, flat, 8½¢@9¢; bulls, flat, 7½¢; country cows, No. 1, 8¢; country calfskins, No. 1, per lb., 13@14¢; country calfskins, No. 2, per lb., 11@12¢; horse hides, 2.75@3.00.

BOSTON.

Buff hides, 9@9½¢; New England hides, 8½¢@9¢.

PHILADELPHIA.

Country steers, 8@8½¢; country cows, 8@8½¢; country bulls, 6½¢@7¢.

SUMMARY.

There is but little to say in summarizing the market, other than that hides hold firm at full prices, though while we write a telegram from Chicago says that there has been a sale at ¼¢ off from highest figures, but even so that does not prove weakness in the market. The advance in the past three months has been a very great one, ranging from 40 to 80 per cent. It is not surprising that after such a very large advance there should be a quiet spell and tanners stay out of the market, as with steady buying dealers are sure to try each time for higher prices until the "last straw" is laid on and then a break. This does not imply that we are to have a break at present, for many of the best-informed in the trade claim that prices at present are not higher than the situation warrants and that if they are allowed to remain where they are without forcing them higher the market should remain steady for a long time. It must be admitted that to be successful the prices of hides and leather must be in harmony, but up to the present hides have advanced much more than leather, though tanners are trying to get leather prices up to a corresponding figure with hides.

Bungs, Plugs, Vents.

Saltpetre, Crude and Granulated.

Imported English Salt.

Coarse Burlap for Press Cloths.

German Potato Flour.

The Davies Warehouse and Supply Co.

189 LA SALLE ST., CHICAGO.

ESTABLISHED 1878.

PACKERS' SUPPLIES.

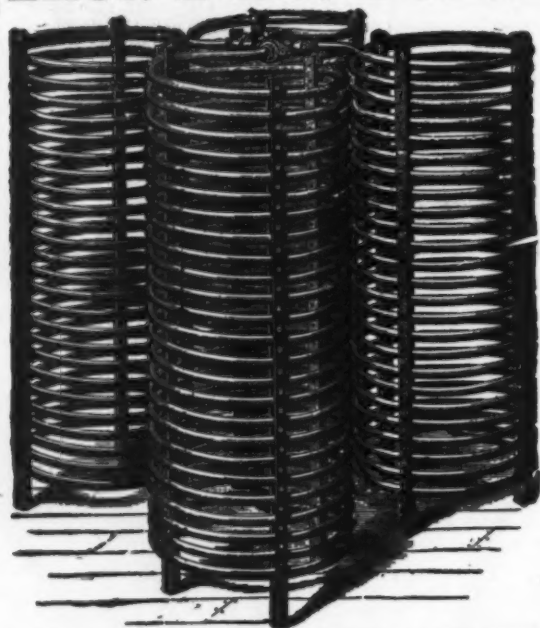
• Lard Tubs—Ash.

• Lard Tubs—Soft Wood, Fancy or Plain.

• H. & G. Fullers' Earth, Lump or Pow'd.

• Tub Fasteners, Wire or Tin.

• Tripe and Pigs' Feet Packages.

FARRELL & REMPE CO.MANUFACTURERS OF
IRON PIPE COILS**For ICE AND REFRIGERATING MACHINES.**

PIPE WELDING BY ELECTRICITY.

AMMONIA FITTINGS OF ALL KINDS.

Sacramento and Carroll Avenues, CHICAGO, ILL.

SEE COUPON PAGE 29.**James D. Cardell & Co.****PIPE BENDING WORKS,**

Manufacturers of

Coils of Wrought Iron Pipe,

For Ice and Refrigerating Machinery,

Chemical Works, Soap Factories,

COILS OF ANY DESIRED WELDED LENGTH.

RISING SUN LANE AND NORTH PENN. R. R.

PHILADELPHIA, PA.

—Prices on Application.—

TURN YOUR TALLOW INTO SOAP. Write for ESTIMATES and Catalogues to**Houchin & Huber.****TOILET AND LAUNDRY Soap Machinery.**

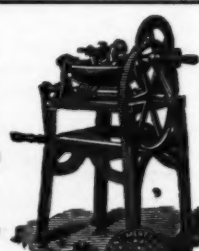
39, 41, 43 & 45 Fifty-Third Street, BROOKLYN, N. Y.

2,000
Machines Sold
OF**NEW SILENT
MEAT CUTTER.**

Send for Catalogue.

P. Billingham & Co.,
Trenton, N. J.

New York Agent, S. OPPENHEIMER, 96 Pearl Street.

**The American
Cotton Oil
Company**

Manufacturers and refiners.

Cotton-Seed Products
Oil, Cake, Meal,
Linters, Ashes, Hulls.THE AMERICAN COTTON OIL COMPANY,
46 Cedar Street, New York.

Cable Address: AMCOTOIL, New York.

**PHILIP H. GILL,
Millwright and Machinist**

Shafting, Pulleys, Bearings, Gearing, Etc.

DESIGNER AND BUILDER OF
Oil and Flour Mills, Grain
Elevators and Breweries.TELEPHONE 337.
9 to 19 BOWNE ST., BROOKLYN, N. Y.**OIL CAKE AND MEAL.**

MESSRS.

JOHAN KOOPMANS & CO.AMERICAN IMPORTERS,
AMSTERDAM, HOLLAND,ARE DESIROUS OF CORRESPONDING WITH
CRUSHERS OF SEED TO REPRESENT
THEM FOR**CAKE AND MEAL.****Hopkins, Dwight & Co.,**COTTON, COTTONSEED OIL
and SOUTHERN PRODUCE**COMMISSION MERCHANTS,**Rooms 50 to 54 Cotton Exchange Building.
NEW YORK.GUSTAVUS C. HOPKINS.
CHARLES DEXTER MILLER.LOCUIS HOPKINS SMITH.
SAMUEL HOPKINS.

CHICAGO PROVISION MARKET.

Provisions for the past week have ruled more active and at a decided lower range of values, caused principally by the large hog receipts, the lack of outside speculative buying and the attitude of the packers who are bearish and are working for lower prices. For several weeks we have predicted lower prices, and we believe the bottom has not been reached yet. There is a very large crop of hogs, and the packing is likely to exceed that of former years, and it's the aim of the packers to get the hogs at as low a figure as possible, and until after the bulk of the hogs are packed and in the cellars the bulls will not get much help from them. The receipts of hogs for the week ending Saturday, November 14, were 183,581 and the quality good. The estimate for the week ending Saturday, November 21, are 200,000, and the probabilities are that they will exceed this number, for the arrivals of the first three weeks are 126,000, Monday's receipts being 58,000 where only 43,000 were looked for. The good condition of the present arrivals has had a very depressing effect on the lard market, and the decline has been much more pronounced than in ribs. Last Thursday December lard was 25c. a hundred premium over December ribs, and on Tuesday they were both selling at the same price, and it is probable that before another week the ribs will be the higher. Then the world's stock of lard is very large, and the low price at which it has been selling has not increased the consumption as much as was expected. It was supposed that large quantities would be used in the manufacture of soap, but that has not been practical without making a change in the present soap making machinery and manufactures are loth to do this until they feel assured that present low prices for lard will continue to prevail. One of the features of the market was the selling of a long line of lard by a trader (Fitzjeans) who has been very active and bullish since lard was at its low point. Rololson was a good seller of ribs. Wednesday the market was heavy and weak, January pork going to 7.50c., and closing nearly at the bottom. January lard sold to 3.85c., and January ribs 3.70c. Closing prices show but little recovery. Hog receipts were 6,000 under the estimate, at 34,000, but the market was weak and 5c. lower. N. J. Weil says the stock of ribs in Chicago is very small, and does not believe that it will exceed 10,000,000, and also believes that it will be almost impossible to fill orders for fully cured meats.

RANGE OF PRICES.

THURSDAY, NOV. 12.

PORK—				
December....	6.97½	7.07½	6.97½	7.07½
January.....	7.97½	8.07½	7.97½	8.05
LARD—				
December....	4.10	4.15	4.10	4.15
January.....	4.30	4.35	4.30	4.35
RIBS—				
December....	3.85	3.90	3.85	3.90
January.....	3.97½	4.02½	3.95	4.00

FRIDAY, NOV. 13.

PORK—				
December....	7.10	7.10	6.95	6.95
January.....	8.10	8.10	7.92½	7.95
LARD—				
December....	4.12½	4.15	4.07½	4.10
January.....	4.35	4.35	4.27½	4.30
RIBS—				
December....	3.85	3.85	3.82½	3.85
January.....	4.00	4.00	3.92½	3.95

SATURDAY, NOV. 14.

PORK—				
December....	6.87½	6.87½	6.85	6.85
January.....	7.95	7.95	7.85	7.85
LARD—				
December....	4.05	4.05	4.00	4.00
January.....	4.27½	4.27½	4.20	4.22½
RIBS—				
December....	3.80	3.80	3.80	3.80
January.....	3.90	3.92½	3.90	3.92½

MONDAY, NOV. 16.

PORK—				
December....	6.75	6.75	6.72½	6.75
January.....	7.80	7.82½	7.67½	7.75
LARD—				
December....	3.92½	3.92½	3.81½	3.90
January.....	4.15	4.15	4.07½	4.10

RIBS—				
December....	3.70	3.72½	3.70	3.72½
January.....	3.85	3.85	3.82½	3.85

TUESDAY, NOV. 17.

PORK—				
December....	6.70	6.70	6.55	6.55
January.....	7.62½	7.70	7.55	7.60

LARD—				
December....	3.80	3.82½	3.72½	3.72½
January.....	4.02½	4.05	3.92½	3.92½

RIBS—				
December....	3.67½	3.70	3.65	3.70
January.....	3.77½	3.82½	3.75	3.77½

WEDNESDAY, NOV. 18.

PORK—				
December....	6.55	6.55	6.42½	6.42½
January.....	7.52½	7.65	7.50	7.52½

LARD—				
December....	3.65	3.70	3.65	3.67½
January.....	3.87½	3.92½	3.85	3.87½

RIBS—				
December....	3.70	3.70	3.67½	3.67½
January.....	3.72½	3.80	3.70	3.75

CASH PROVISIONS.

W. Thos. Nash says of cash provisions: During the past week trade has been good only in spots; at the moment it is quiet there have been a few inquiries for green meats, but the buyers generally have not begun to come into the market. Demand for ribs from the South, fair, with light averages, closely sold up here. Inquiry for lard small, both in tanks and tierces. Local demand for fresh meats has been very good, though the last two days not quite so brisk. Tallow without change and grease, if anything, a shade weaker. Product has moved the past week at about the following prices: 14 to 16 lb. S. P. hams, 8½c.; 18 to 20 lb., 7½c.; 18 to 20 lb. skinned, 7½c.; S. P. picnics, 7 lb. av. 4½c.; 8 lb. av., 4½c.; N. Y. shoulders, 10 to 12 lb. av., 4½c.; D. S. shoulders, 16 to 18 lb. av., 4½c.; green ham, 16 lb. av., 7½c.; 18 to 20 lb. av., 6½c.; 18 to 20 av. skinned, 6½c., which is about asking prices now. I look for lower prices yet and advise light purchases until about this time next month, when I think all kinds of product will be a buy. I quote No. 1 country tallow, 3½c.; No. 1 packers, 4c.; No. 2 a quarter to a half less, according to quality; A white grease, 3½c to 3¾c.; B white, 3¾c.; prime yellow, 3c.; good yellow, 2¾c.

TIPS ON THE MARKETS.

Chicago, Nov. 18.—WHEAT.—A decline of 1½d. in Liverpool, together with large receipts in the Northwest, caused the market to open weak at ¾c. decline. There was much less pressure to sell, however, than expected, and as soon as some of the shorts tried to realize profits, the market hardened and commenced to advance, which tendency was maintained up to the close. New York reports a further demand for Australia, and estimates that country will want about 4½ millions bushels more than she has already bought. California also reported an Australian demand. Here there was about 200,000 bushels sold to domestic millers. There is no doubt that the situation is apparently strong but also no doubt that the price is comparatively high. We do not therefore enthuse on the bull side on the rallies and believe advantage should be taken of any further upturn to-morrow to sell out long wheat and get short again.

CORN dull; a good deal being sold bought on speculation when wheat advanced a few days ago, also considerable changing December to May. There is much talk about an early movement of new corn but we doubt it, believing condition too soft and think that old corn at closing prices for December should be a good purchase. May at present prices compared with wheat would seem to be a good purchase also.

OATS dull but steady. Quite a line of oats held here on speculation, which may come on the market between now and the end of the month. We think on merit the market should decline a little further.

PROVISIONS quite irregular within a narrow range and close a shade lower than yesterday. Receipts of hogs were smaller, 68,000 at the seven pocket points against 87,000 last week and 96,000 a year ago. The local operators generally continue very bearish in their views, looking for a repetition of last year's low prices, and the market lacks

(Continued on page 21.)

W. THOS. NASH,
BROKER.
Provisions, Lard, Grease, Etc.
240 LA SALLE ST.,
CHICAGO.

WM. E. WEBBE & CO.
PROVISION BROKERS
807 ROYAL INSURANCE BUILDING,
CHICAGO.
N. J. WEIL, Manager Cash Provision Department.



REDUCE YOUR COAL BILLS!
BY PUTTING YOUR WATER IN THE BOILER AT BOILING POINT.

THE OTIS Tubular Feed Water Heater AND Purifier

WITH SEAMLESS BRASS TUBES.

Guaranteed to heat the feed water to the **Boiling Point** (210° or 212°) with the exhaust steam without causing any back pressure. Also to **Extract the Oil** from the exhaust so that the exhaust steam, after being passed through the heater, can be used for heating purposes and the water of condensation from the heating system be returned to the boilers **free from Oil**.

**WE GUARANTEE THIS HEATER WILL NOT
GET FOUL WITH SEDIMENT.**

A Liberal Offer.—Try us! If this heater fails to give satisfaction in every respect we will pay freight, cartage and all expenses, heater to be returned to us at our expense.

Patented and Manufactured by the

STEWART HEATER CO.,
25 NORFOLK AVE., BUFFALO, N. Y.
Send for Catalogue.

FRANK DIESEL CAN CO.



MANUFACTURERS OF

Lard Pails and Meat Cans,

PLAIN AND DECORATED.

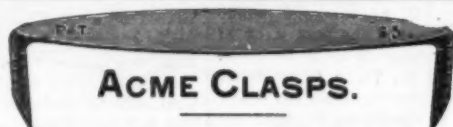
Tin Cans and Sheet Metal Work of
all kinds.STEWART AVENUE,
Bet. 39th and 40th Streets

CHICAGO, ILL.

CANNING MACHINERY OF ALL KINDS.

TORRIS WOLD & CO.,
11 to 23 S. Jefferson St.,
CHICAGO, U. S. A.DIES,
PRESSES and
SPECIAL
MACHINERY.Automatic
Can Soldering
Machines.
Entire Outfits
for Cannery
and Can
Manufacturers.MOTT'S 1502 FURNACE AND CALDRON.
For Hard or Soft Coal. For Boiling and Rendering

PLATE 400.

Copyright 1892 and 1893 by the J. L. Mott Iron Works
in their publications.THE J. L. MOTT IRON WORKS,
84 to 90 BECKMAN STREET, NEW YORK.
SEND FOR CATALOGUE

ACME CLASPS.

THE BEST AND ONLY RELIABLE COVER FASTENER FOR
PAILS, TUBS AND BOXES.

USED AND ENDORSED EVERYWHERE BY

LARD PACKERS AND SHIPPERS.

ACME FLEXIBLE CLASP CO.

SOLE MANUFACTURERS.

Clark and 17th Sts., CHICAGO, ILL.

HAVE YOU GOT IT YET?
SEE COUPON PAGE 29.

NONE AS GOOD OR HANDSOME AS



STAMPED WITH DIE.

The Acme Lard Pail

THE BEST IN USE. THEY WILL NOT LEAK.

Used by all the Leading Packers and Butchers.

F. A. WALSH & CO., Manufacturers,

Milwaukee, Wis.



LITHOGRAPHED LABEL.

NEW JERSEY FOUNDRY & MACHINE CO.

TELEPHONE
1272 CORTLANDT.26 Cortlandt Street,
NEW YORK.Overhead Trackage System
Refrigerators, Etc.CORRESPONDENCE
SOLICITED.

Established 1842.

JOHN P. SQUIRE & CO.'S

Incorporated 1892.

PURE
KETTLE-RENDERED LEAF LARD

21, 23, 25 Faneuil Hall Market, BOSTON, MASS. 39 and 40 North Market Street,

REDUCE YOUR COAL BILLS.

The principle of obtaining the maximum degree of heat permanently at a minimum of cost has been the desideratum of steam users since the latter has been utilized as a generator of power.



The Stewart Heater Co., of Buffalo, N. Y., has made a study of this scientific problem, and it must be admitted with marked success. This enterprising company has supplied hundreds of large manufacturing plants throughout the United States and Canada with their celebrated feed water heater. The testimonials furnished by those who regularly use the Stewart heater, furnish a well deserved tribute to its general merits as an economical adjunct to a steam plant. The heating of the feed water by exhaust steam in the Stewart heater system, is as simple as it is economical. The firm has spent many years in perfecting their system, and the degree of success which has attended their efforts is attested by the numerous written declarations of the users, a saving of from 20 to 35 per cent. being effected in coal. Owing to the uniformity of temperature in the boiler rendered possible by the use of this form of heater, the saving in wear on the latter is estimated to be equivalent to 100 per cent. The feed water is maintained at an average of 215°. To those of our readers interested in the economical operation of boilers and engines we would advise, write to the Stewart Heater Company, Buffalo, N. Y. ***

TERMINAL WAREHOUSE CO.

For the storage of general merchandise the Terminal Warehouse Co. has unusual facilities. Their Central Stores, situated on 27th street and 11th avenue, are of colossal proportions. All varieties of produce are carefully handled and stored. Freezing rooms for the storage of furs, carpets or woollens form a special department. The immense cold storage department used for products in which the readers of the National Provisioner are commercially interested in, is one of the leading features of this great concern. Messrs. William W. Rossiter and J. H. Lynch, President and Vice-President respectively, are very capable business men, and under their management the commercial interests of the company are in a decidedly flourishing condition. The National Provisioner takes pleasure in recommending the Terminal Warehouse Co. to the favorable attention of the meat, oil and provision trades.***

Established 1867.**L.A. SALOMON & BRO.,**

218 Pearl Street, NEW YORK.

IMPORTERS

OF THE

Well-known Brands.

OF

XL & L.A.S.

Superfine Bolted

Fullers Earth

for Bleaching and Refining

Lard, Cottonseed and other Animal and Vegetable Oils, Tallow, Greases, etc.**GUM DEXTRINE**

(For Labeling on Wood and Tin).

Best German Potato Flour.**Powdered French and Italian Talc.****Superfine Pure Silex (Flint).****Mineral White (called Silex).****Magnesian White (A Soap Dryer).****Sulphate of Barytes,****Calcined Plaster, etc., etc.****Lasalite Preservative Paint,**
Acid and Waterproof.

For Painting of Storage Tanks, Iron Pipes, etc.

Correspondence Solicited.

COTTONSEED OIL.
WEEKLY REVIEW.

A MORE ACTIVE MARKET, for both crude and refined, at New York and the South, at firmer prices, have been the features of the past week; although the activity in the latter has been more speculative, than export, the other side not having generally come in, as indicated probable in our last. Yet the speculative activity, though spasmodic, reached total sales in New York, on one day, of 8,000 barrels of prime summer yellow, sold by Whitman Bros. for the Southern Cotton Oil Co. to Williams, Flash & Co., to the extent of 5,000 bbls, in two lots, 3,000 of which they resold on the same day at $\frac{1}{4}$ ¢ advance. This was the chief feature of the New York market for the week, and caused considerable comment in the trade, as the resale was made to the American Company at $\frac{1}{4}$ ¢ more money than they could have bought it themselves direct from the Southern company. The talk was that this transaction was for the purpose of establishing a higher market, and some believed that the whole 5,000 barrels were bought by the same purchaser, simply paying the brokers their commission. Outside of this there have been over 3,000 barrels in smaller lots, taken for export during the week at firmer prices, on the basis of $26\frac{1}{4}$ @ $26\frac{1}{2}$ ¢ for November and December and $26\frac{1}{4}$ ¢ for December and January shipment. But this business in refined at New York is by no means the most important feature of the week's market; as the dealings in crude, at the mills South, have nearly doubled the above speculative transactions. The selling of this has also been by the same company, the Southern, through their agents, Whitman Bros., who have sold 100 tanks, or equal to 15,000 barrels at their mills, to go to refiners and soap makers, chiefly in the West, at $18\frac{1}{2}$ ¢ on the Atlantic coast up to $19\frac{1}{4}$ ¢ at Memphis, and at prices between these extremes at other Atlantic Coast and Mississippi Valley points. This is the largest business by far in one week on this crop, in crude oil, and shows a disposition by the Western trade to take supplies for forward wants, notwithstanding a break in lard, to a lower basis than cotton oil, and even than tallow itself. So severe has this break been, that prime tank lard has been sold freely in Chicago, during the week at \$3.85 down to \$3.65 to soap makers in that market, while prime tallow was sold early in the week at $4\frac{1}{2}$ ¢ down to 4¢, midweek in the same market, or at $\frac{1}{4}$ ¢ more than the price of lard. Yet, while this fact knocked the bottom out of the tallow market, it seemed to have no effect on cotton oil, contrary to the belief in the trade that the price of the latter would be largely controlled by that of the former. Taken together, these heavy transactions by the Southern Company, amounting to 20,000 bar-

THE JACKSON REFRIGERATOR CO.
Cold Storage Architects and Engineers.

PACKING HOUSE PLANTS. We make plans for modern Packing House Plants, with machinery of the latest design for Killing, Rendering, Refining and Making Oleo, Neutral, Glue, Fertilizer, etc. Our plants embody all the most advanced ideas.

MECHANICAL REFRIGERATION. We design complete, mechanical Cold Storage Plants, with valuable improvements in insulation, ventilation and mechanical equipment.

VENTILATION. We make the ventilation of machine refrigerated houses a specialty. Fresh air without condensation or fluctuating temperatures.

ICE REFRIGERATION. Our new low temperature ice system gives a dry air at 32 degrees, and is unequalled for carrying perishable goods. It produces a purer, sweeter air and better results than most machine houses.

325 SO. DEARBORN STREET, CHICAGO, ILL.

THE V. D. ANDERSON CO., CLEVELAND, OHIO,

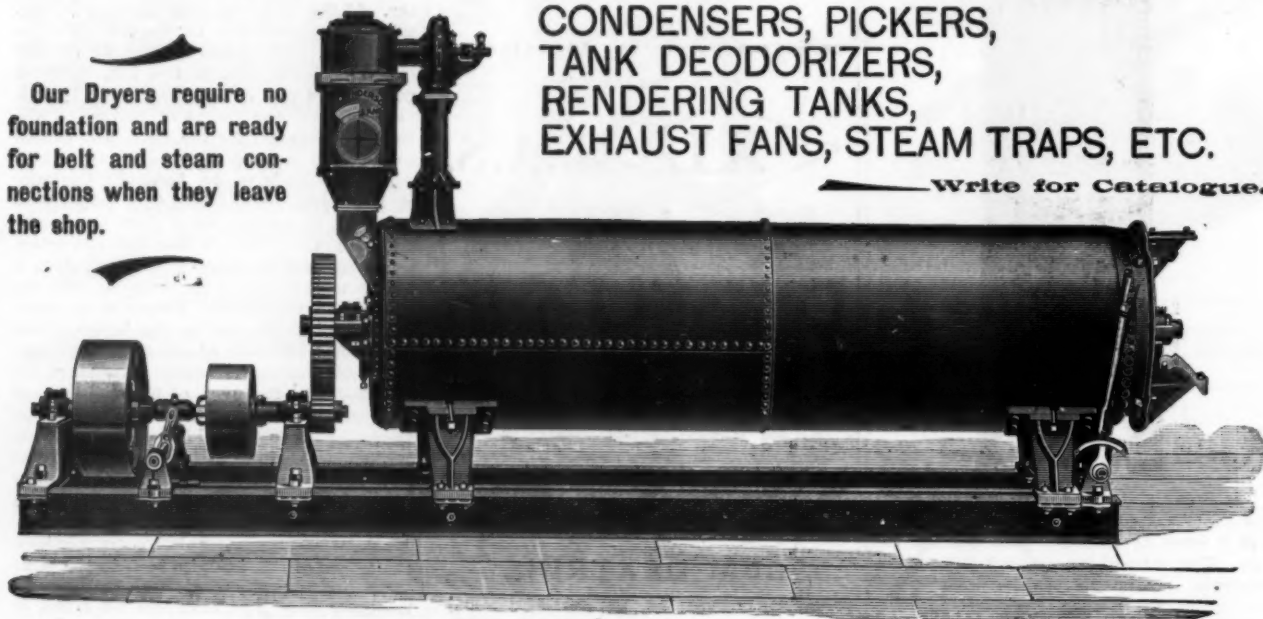
— MANUFACTURERS OF —

ODORLESS FERTILIZER DRYERS,

Our Dryers require no foundation and are ready for belt and steam connections when they leave the shop.

CONDENSERS, PICKERS,
TANK DEODORIZERS,
RENDERING TANKS,
EXHAUST FANS, STEAM TRAPS, ETC.

— Write for Catalogue. —



ANDERSON'S NO. 2 SINGLE CYLINDER DRYER.

THEO. SMITH & BRO.,

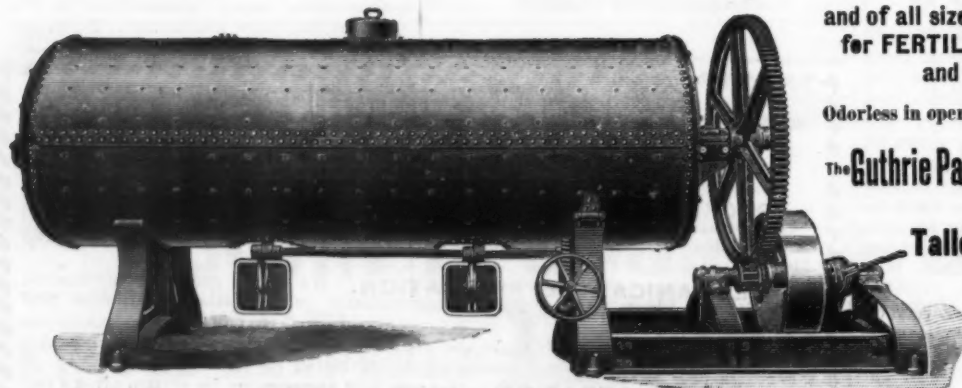
**MANUFACTURERS AND DESIGNERS OF SPECIAL MACHINERY FOR
OLEO OIL AND BUTTERINE FACTORIES AND LARD REFINERIES.**

P. O. BOX 98.

FOOT OF ESSEX STREET, JERSEY CITY, N. J.

Manufacturers of all kinds of

— DRYERS —



SMITH'S FERTILIZER DRYER.

and of all sizes from 5 to 3 feet Diameter
for FERTILIZERS, CHEMICAL WORKS,
and all other purposes.

Odorless in operation. Give universal satisfaction.

The Guthrie Patent Deodorizing Condenser

Tallow Rendering Tanks,
Lard Coolers, etc.

Used in the leading Packing-Houses
and Abattoirs and by the prin-
cipal Butchers throughout
the country.

SEND FOR CATALOGUE AND PRICE LISTS.

rels of crude and refined, thus far for the week, place the cotton oil market in a much stronger position than had been expected, considering the market for other competitive articles, especially, in view of the increased estimates of the cotton crop, published since our last, in which we indicated that forthcoming figures would run as high as 9,000,000 bales; whereas the fact exceeded it in one instance by 200,000 bales, though this extreme estimate is not generally regarded with general credence by the trade, notwithstanding the former authority of its source. Yet other authorities, which seem to be more in harmony with current opinion, place the crop at about 8,000,000 of bales, notwithstanding the reports of the past week, reducing estimates of the top crop, owing to late killing frosts in the South and Southwest. In view of these increased figures as well as of the decline in lard and tallow, it seems really remarkable that so much business could have been done, either in refined or crude, as reported above, especially by the domestic trade, foreigners having bought no part of the above 20,000 barrels. Outside of these transactions, trade has been little, if any, more than last week, and generally in small lots, to fill old shipments or small orders. In other grades of oil than crude and contract, transactions have been very light, and of a jobbing character, at practically unchanged prices. There is no particular news from the South in regard to the seed situation, except that it is weakening, though the heavy sales of this week seem to confirm what was indicated in our last, that there was considerable accumulations of stock at the South, both of crude and refined, and that production is quite general, both on the Atlantic Coast and in the Mississippi Valley. In Texas, however, very little has been reported, which would seem to indicate less production or accumulations in that section, than in the other two named. Yet this may be explained by the fact that early sales to Western refiners and soap makers, on this crop, were largely by Texas mills, and their current production may have been delivered on those old contracts.

After the close of our supplementary report on last Friday, in which we gave 500 prime yellow at 26c. prompt delivery, and 500 December at 26½c., 600 more December sold at 26¼@½c.

On Saturday, small transactions only were reported on the same basis for yellow and at 18½@19c. for tank crude at Atlantic Coast mills, the latter from cheap freight points.

On Monday, 18c. was bid and 19c. asked for crude at those points, and 26c. bid and 26½c. asked for refined at New York, when the 5,000 lot above alluded to was sold at 26c. for December January, and 3,000 of the same resold at 26½c., while the sales of Saturday were increased to 2,000 barrels at 26½c. for December delivery.

On Tuesday, 300 barrels of prime summer yellow ere sold at 26½c. for November delivery, and 25 tanks at 18½c. Atlantic Coast up to 19c., and 19¼@19½c. in the Mississippi Valley; the latter at Memphis.

On Wednesday, sales of tank oil were further increased for the week, thus far, to 100 tanks, at the prices above named, the bulk of which, as noted above, goes to the West. 26@26½c. was the nominal market for re-

finer yellow in New York, where 200 barrels of crude sold at 23c., in barrels, with white quoted 28¼@29c., and butter oil at 28@29c., according to brand.

Cottonseed cake has been more plentiful, and offered freely to exporters in New York at \$18.50 without demand reported from that source, though \$19 has been quoted for jobbing lots to the home trade.

(For later report, see page 37.)

CAKE AND MEAL QUOTATIONS.

Cake and meal at interior points, Texas, \$12.50 to \$14 a ton short, f. o. b. Cotton meal is quoted at New York at \$19; cake and meal for export at New Orleans, \$17.75 to \$18 long ton, f. o. b. Large quantities of meal sold to fertilizer manufacturers in Georgia, the Carolinas and Virginia, at prices slightly below current figures.

PRODUCE EXCHANGE NOTES.

A sale of membership tickets is announced to take place early in the forthcoming week. Twelve are offered, but prices which will be realized, judging from the tone of the market, are decidedly low. No material change has transpired.

Dr. L. V. Goabfield, with Nelson, Morris & Co., who are visiting Eastern customers, spent an hour on the floor during the week.

Among other visitors were observed: I. A. Wendell and T. E. Hey, of Chicago; R. Tucker and H. W. Rusk, Baltimore; C. H. Spencer, St. Louis; Leopold Bockbinder, London, England; H. M. Barker and Mr. Burns, Buffalo.

E. H. FERGUSON, President. R. C. WAGGENER, Treasurer. J. J. CAFFREY, Secretary.

KENTUCKY REFINING CO.

LOUISVILLE, KY., U. S. A.

Refiners of All Grades of

COTTONSEED OIL.

"ECLIPSE" BUTTER OIL.

SUMMER { White 1/8 Oil.
Yellow C/S Oil.

"SNOWFLAKE" PRIME SUMMER WHITE.

WINTER PRESSED { White C/S Oil.
Yellow C/S Oil.

SUMMER AND WINTER WHITE "MINERS" OIL. YELLOW AND WHITE COTTONSEED STEARINE.
CRUDE C/S OIL. "RED STAR" SOAP. SOAP STOCK.

TANK CARS FURNISHED FREE FOR SALES OR PURCHASES.

SPECIALTIES:

"SNOWFLAKE" PRIME SUMMER WHITE. This oil is prepared especially for Lard Compounders; is sweet and wholesome, being bleached without a particle of acid. A trial means you will use no other.

"ECLIPSE" BUTTER OIL. A strictly choice Vegetable Oil, selected and prepared especially for Butter Manufacturers; equaled by none other for quality and uniformity.

"DELMONICO" COTTON OIL. This brand of Cooking Oil needs no introduction; speaks for itself, and for Culinary Purposes is synonymous with finest.

"NONPAREIL" SALAD OIL. A strictly Winter Pressed Oil, prepared expressly for Druggists, Culinary and Salad Purposes; guaranteed to remain bright and limpid at 32° Fahr.

"KENTUCKY REFINING CO.'S" WINTER PRESSED OILS. Guaranteed pure and to remain bright and limpid at 32° Fahr. The very best made for any climate.

Quotations furnished upon application.

KENTUCKY REFINING CO.,
2017 to 2033 Shelby Street, LOUISVILLE, KY.

Cable Address: "REFINERY," LOUISVILLE.

GLOBE REFINING CO.

REFINERS OF

COTTON OIL.

Prime Summer White

FOR LARD COMPOUNDING.

Quality Guaranteed. All Other Grades of Cotton Oil.

DIAMOND FULLING AND SCOURING SOAP.

CABLE ADDRESS,

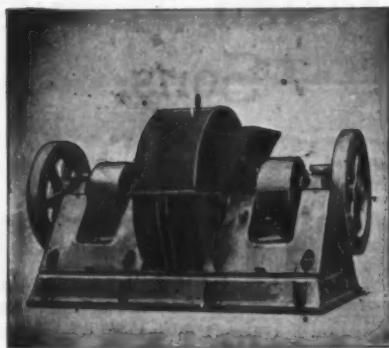
"GLOBE, LOUISVILLE."

Louisville, Ky.

Obtain our prices before buying.

LOUIS K. FERGUSON, President.

CLEMENS G. HEWITT, Sec. and Treas.



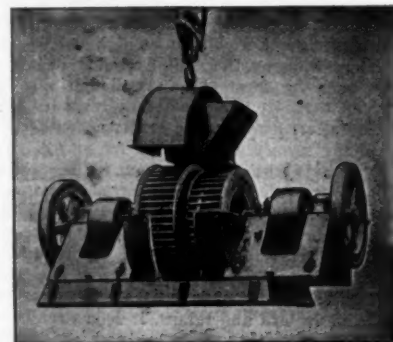
"Stedman's Disintegrators" ARE THE BEST

Are used by nearly every large packing house and fertilizer establishment in the United States. References:

Armour & Co., Chicago and Kansas City.
Swift & Co., Chicago, Kansas City and East St. Louis.
Cudahy Packing Co., Omaha, Neb.

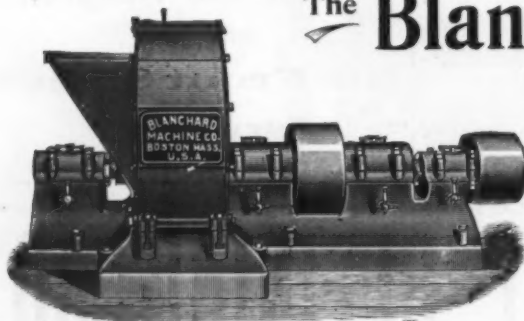
Write for Catalogue and full Descriptive Matter.

We manufacture machinery for equipping complete fertilizer plants, consisting of Disintegrators, Bone Breakers, Mixing Pans, Screening Elevators, Engines, Boilers, Shafting, Pulleys, etc.



Stedman Foundry and Machine Works, **AURORA, IND.**

The Blanchard Disintegrator

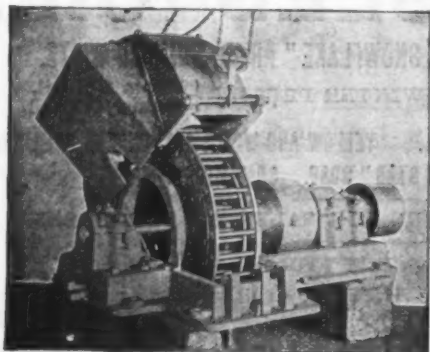


WILL GRIND Bone, Glue, Glue Stock, Guano, Meat Scraps, Oyster Shells, Tankage, Soap Powder, Soft Phosphates, Sheep Skulls, or any friable material. The lubrication and dust proofing have been lately perfected, and the machines will do heavy work with ease.

Write for our 1896 Catalogue.

BLANCHARD MACHINE CO., 303 Congress St., BOSTON, MASS.

ESTABLISHED 1861.



The ORIGINAL HOLMES & BLANCHARD CO.'S Improved Disintegrators.

THESE MILLS WILL GRIND RAW AND STEAMED BONES, TANKAGE, CHEMICALS, GLUE AND OTHER HARD MATERIALS.

We manufacture all machinery for equipping Fertilizer Plants complete, including Mixers, Elevators and Screens of every description, Automatic Cars, etc. Experienced Engineers furnished to lay out work. Blue prints furnished and estimates given.

PRICES TO SUIT THE TIMES.

HOLMES & BLANCHARD CO.

37 Charlestown Street, Boston, Mass., U. S. A.

Be sure and write us for Prices and Catalogue before placing orders.

HEADQUARTERS FOR TRACKING.



Get our Prices
on Clamp Bolt
Hangers,
280,000 in use.



Strongest, Most Durable and Cheapest
Switch on the
Market.

3,000 SWITCHES USED BY LEADING PACKERS.



400,000 MOYER'S ROLLERS IN USE.

SEND FOR PRICES.
WE CANNOT BE UNDERSOLD.

J. W. MOYER, 2217 NORTH 11th STREET, PHILADELPHIA, PA.

TIPS ON THE MARKET.—Continued.

speculative support and may drag off a little more. We have, however, had a considerable decline in past few days and product is relatively lower than the cost of live hogs, consequently it seems to us it should be about bottom—for a turn at least.

Yours truly,
NORTON & WORTHINGTON.

Robert H. Kelly & Co. say: "It has been demonstrated to the satisfaction of those bearishly inclined that it is a very dangerous thing to short the market while a strong cash situation exists. Undoubtedly the market was sold heavily early in the week, and the rally has furnished ample proof that it will go higher on this crop, with the liquidation scare out of the way."

With regard to the break in provision prices Robert H. Kelly & Co. say: "Traders have an opportunity to pick up futures pretty cheap. The decline has undoubtedly renewed the short interest, and the rally in wheat will bring shorts to cover. We feel very bullish on all products, and advise purchases."

Everingham, Lynch & Co. report: "The receipts of hogs have been somewhat larger than expected, which we think is due to the fact that hog cholera is prevalent in sections of Illinois and Iowa. It does not seem probable that these large receipts would continue, and with any falling off provisions will certainly do much better.

The consular reports make the world's shortage of wheat according to Dornbush, as compared with last year 185,000,000, assuming that the United States only raised 394,000,000. The shortage is in exporting countries. The importing countries raised 32,000,000 more than last year. The Parisian Agricol and the Hungarian Minister make the shortage 140,000,000. The average of the shortage is 163,000,000, from which should be deducted at least 30,000,000 under estimate of United States crop, making the net shortage 133,000,000. The shortage in India is 50,000,000, in Australia 7,000,000, in Chili 2,500,000, in Uruguay 1,250,000, in Argentina 15,000,000, in Egypt 2,500,000, in Algiers 3,000,000, and in all 80,000,000, which will in a large measure be compensated for by economy in the use of wheat, particularly in India, which exported only 13,000,000 last year, and will export less this year, but will not import anything like the 50,000,000 short, if indeed any at all; so that this shortage so far as the world is concerned can well be eliminated, making the actual shortage 63,000,000 so far as Europe and America are concerned. As regards Europe, including Russia, the shortage as reported by Dornbush is only 19,000,000. The shortage in Canada is 14,000,000 and in the United States we do not know what it is, although we pretend to know all about the rest of the world where no official figures are given out until the end of the crop. This analysis of the shortage puts a very different light on the subject, and does not warrant any extravagant prices, but it remains to be seen how much influence the shortage in the rye crop will exert on wheat. The Hungarian Minister makes the rye crop short 154,000,000, but mainly in Russia, and this shortage is not made up by any corresponding increase in the production of other food products except corn, which shows a good yield everywhere. My observation is that people who eat rye are unable to buy wheat. They must seek cheaper, not dearer, food products or go without.

There has never been any perceptibly increased demand for wheat by virtue of any shortage in rye, and the fact that rye goes begging here at 39c. is an object lesson of value.

Rain in India and large receipts in the Northwest were the bear factors to-day. There will be no material changes in the visible supply. Yours truly,

ROBERT LINDBLOM.

Regarding provisions, Mr. N. J. Weil, of W. E. Webbe & Co., says the demand for cured and smoked dry salt meats is holding up remarkably. The stock of all kinds of cured dry salt meats are very low, and are being used up very fast. He does not think that there is over 10,000,000 ribs in stock today. Cured s. p. hams, 18@20 average and skinned seem plentiful, but no other averages can be had.; 16 average cured hams, 8½¢ bid, to go West. Green hams are hard to buy for prompt delivery, as most packers are sold up, while none of them will offer futures. On any further break would consider provisions a purchase.

CHICAGO NOTES.

We call attention to the "ad" elsewhere in this issue of Wm.Hooton & Co., 406 Rialto Building, well known in the provision, lard, grease, tallow, and oil trades, and members of the Chicago Board of Trade. This firm is open to correspondence regarding these products, and would be pleased to hear from out-of-town packers and dealers.***

OIL STORAGE AND RAILROAD TANKS.

Iron and steel tanks of large capacity, as receptacles or depositories for oil, have rapidly come to the front in recent years. Tanks which are now used, ranging in size from 50,000 to 300,000 gallon capacity, were probabilities undreamed of twenty years ago. The thin shell which is characteristic of steel-made tanks, simple of construction and practically proof against the constant usage entailed in a generation, with regard to wear, together with the convenience resulting from ample capacity, are strong points in favor of modern tank building. The Wm. Graver Tank Works, whose office is in 790 Old Colony Bldg., Chicago, has long been favorably known as pioneers in this class of work. In many lard and oil refineries, as well as in cotton oil mills, where small tanks are scattered over the premises, a decided improvement, as well as a positive saving, would be made by lessening their number and substituting therefor a suitably sized steel tank.

In the construction of railroad tanks for the transportation of all varieties of oil, the house has acquired a high reputation, and we cordially recommend the Wm. Graver Tank Works to the foregoing trades.***

RECENT PATENTS AND TRADE-MARKS.

DOMESTIC.

571,423.—Heating and ventilating apparatus. —Wilton F. Wolfe, Newton, Mass. Filed May 16, 1895. Serial No. 549,524. The combination consists of a heating chamber and a ventilating chamber, provided with intermediate openings, valves, flues and heating means within the heating chamber, etc.

571,493.—Hydraulic press.—John S. Miller, Goashen, Ind. Filed April 16, 1896. Serial No. 587,771. The device consists of a combination of appliances, which includes a suitable pump, slotted crank, a pitman connecting the pump piston with the crank, a notched and weighted adjustable arm connecting with the pitman; means for holding the arm in its adjusted position, a cylinder communicating with the water pipe of the pump; a cock for controlling the supply of water to the cylinder, a spring actuated piston, connecting with the cylinder, and a slidable bar. Means are also furnished for connecting the bar with piston, whereby the two will move simultaneously.

the two will now be immediately obvious.

571,513.—Bag Filler.—James W. Davidson, Syracuse, N.Y. Filed March 18, 1896. Serial No. 583,651. The combination consists of a cylindrical tapering body, having a flattened side at the large end, said body being of substantially the same length on the upper side as the lower side, and projecting slightly beyond the edge of the body, and handles at opposite ends of the body.

KANSAS CITY LETTER.

Stock reports for the past week show cattle a trifle higher, hogs somewhat lower, with sheep very steady, notwithstanding the large supply.

Receipts of cattle Kansas City past week.....	46,392
corresponding week in 1893...	44,074
1894...	46,837
1893...	42,475

Receipts in Chicago, St. Louis, Omaha and Kansas City for past week.....	131,000
Same cities corresponding week 1895.....	127,200
do do 1894.....	165,800
do do 1893.....	141,600
do do 1892.....	102,000

Kansas City packers' slaughter for past week :			
	Cattle.	Hogs.	Sheep.
Armour Packing Co.....	9,488	21,581	7,379
Swift & Co.....	8,967	18,307	14,117
Schwarzschild & S. Co.....	4,567	2,476	2,367
Jacob Dold Packing Co.....	625	6,284	
Geo. Fowler, Son & Co.....	263	8,228	

Total.....	23,900	\$3,976	23,863
Slaughter for previous week..	16,320	30,246	14,860
Slaughter corresponding week in 1905.....	21,800	64,600	9,384
Slaughter corresponding week in 1904.....	26,263	71,579	6.03

Kansas City packers came nobly to the front during the past week, so as to even up the light kill of the Presidential week, and they did not hesitate to pay good prices. The supply of fed cattle for the past week has been fairly liberal, and the exportmen were able to make shipments of some 135 cars, the largest week for several months past, however, not as large as corresponding week in 1895, when 186 cars went seaboard. The prices paid were good, some 1,210 lb and 1,470 lb average selling at \$4.80, and one bunch 1,478 lb going at \$4.85, the bulk not going below \$4. Native cows and heifers very scarce, and sold quickly, going as high as \$3.50. Western cows in fair supply, selling as high as \$2.80. Some Kansas fed Texas sold at \$4.25, averaging 1,360 lb. Some fed Colorado sold at \$4.40. Texas steers in fair supply, selling as high as \$3.62½, with Texas cows as high as \$2.70. Some Old Mexico grass fed steers sold at \$2.65, and some Old Mexico steers fed in Kansas brought from \$3.12½ to \$3.60. Cattle fat, but coarse, lacking finish, were somewhat neglected, but a trifle off price and quickly turned. The purchasers of cattle for the past week, headed in numbers by that exasperating firm up in Omaha, who will persist in being blind to their own interests, and will not follow the good advice of moving toward the center of the world's progress, Cudahy, purchased 1,891 head; next came Eastman with 1,401 head; Krauss purchased liberally, some 1,166. Even Nelse Morris had to come here to the future greatest cattle mart in the world, purchasing 936 head; Myers, 858 head; Schwarzschild, 509 head; Michael, 504 head; St. Joseph Packing and T. Co., 483 head; Hammond, of Omaha, 326 head, with other smaller amounts. The feders trade again satisfactory, the several would-be purchasers went away disgusted at the prices demanded. However, enough of buyers were readily found to make a general clearing up, sending to corn cribs 530 cars, the largest amount ever before sent out in November; the year 1895, corresponding week, gave 478, with 449 cars in 1894. For some fancy feeders, \$4, a pretty fancy price without a doubt; some selling at \$3.75, some at \$3.90. On the whole the buyers showed commendable pluck. Why the shortage of stock this year of all years? The assessor's statement of each of the States gives a shortage so far. Now, here comes Ohio (where they raise more Presidents than any State of the Union, and Virginia can no longer be called the mother of Presidents), and the report reads:

Number of cattle reported in 1895.....	1,252,888
1896.....	1,175,424

And then comes Illinois, with the same old chestnut:

Number of cattle reported in	1895.....	1,593,800
" " "	1896.....	1,547,186

Showing a short of 46,644. The comes Texas, but only a location of that State, a State that you could steal a size as large as the New England States out of, and one empire, and this is the gloomy vision portrayed by a cattle man: "Take the ranch 30 miles square, on which at one time ranged 20,000 head of cattle, and there are none today." The big ranches are a thing of the past." However, there are quite a few "nest eggs" of cattle yet in Texas. The country will not lack for beef for many, many years to come.

Receipts of hogs Kansas City for past week.....	56,019
Receipts corresponding week, 1895.....	69,353
" " " 1894.....	79,786
" " " 1893.....	33,712

(Continued on page 37.)

Weir & Craig Manufacturing Co.

2425-2439 WALLACE ST.
CHICAGO, ILL.

MANUFACTURERS AND
DESIGNERS OF

Special Machinery

FOR

PACKING HOUSES,
Oleo Oil and Buttrine Fac-
tories, Lard Refineries
and Fertilizer Works.

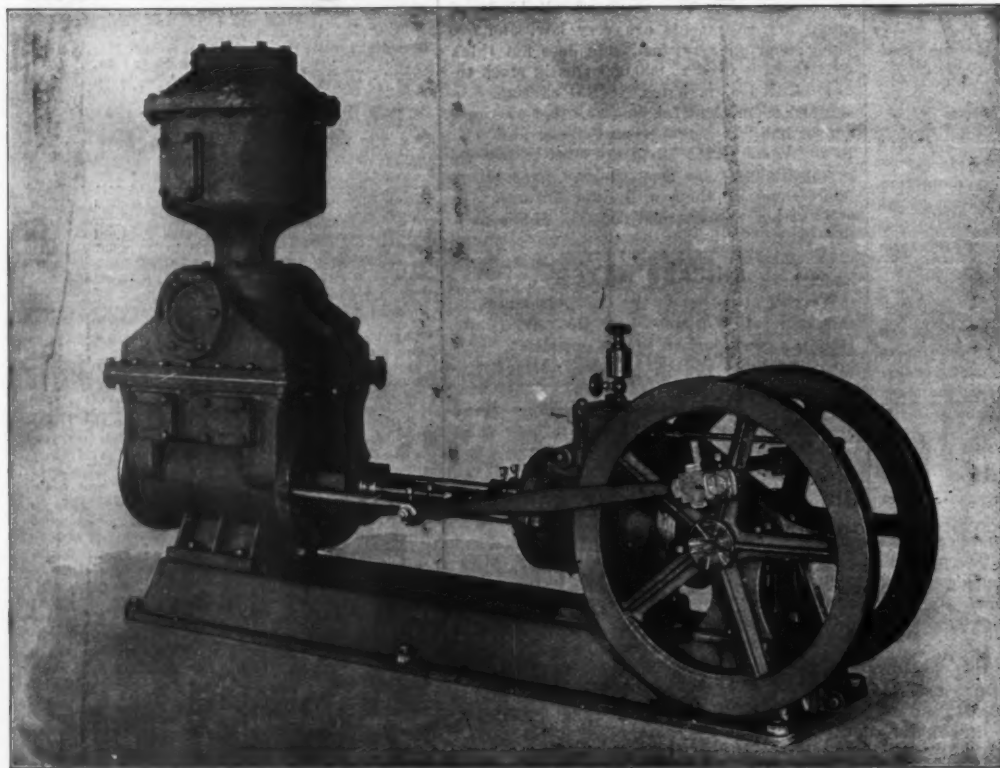
COMPLETE OUTFITS

For Meat Canning, and Beef
Extract Factories.

Friction Elevators, Hoists,
Droppers, Switches, Railing,
Filters, Oleo Oil and Lard
Presses. All kinds of Lard
Coolers. Evaporators, Hash-
ers for Pork or Beef Fats.

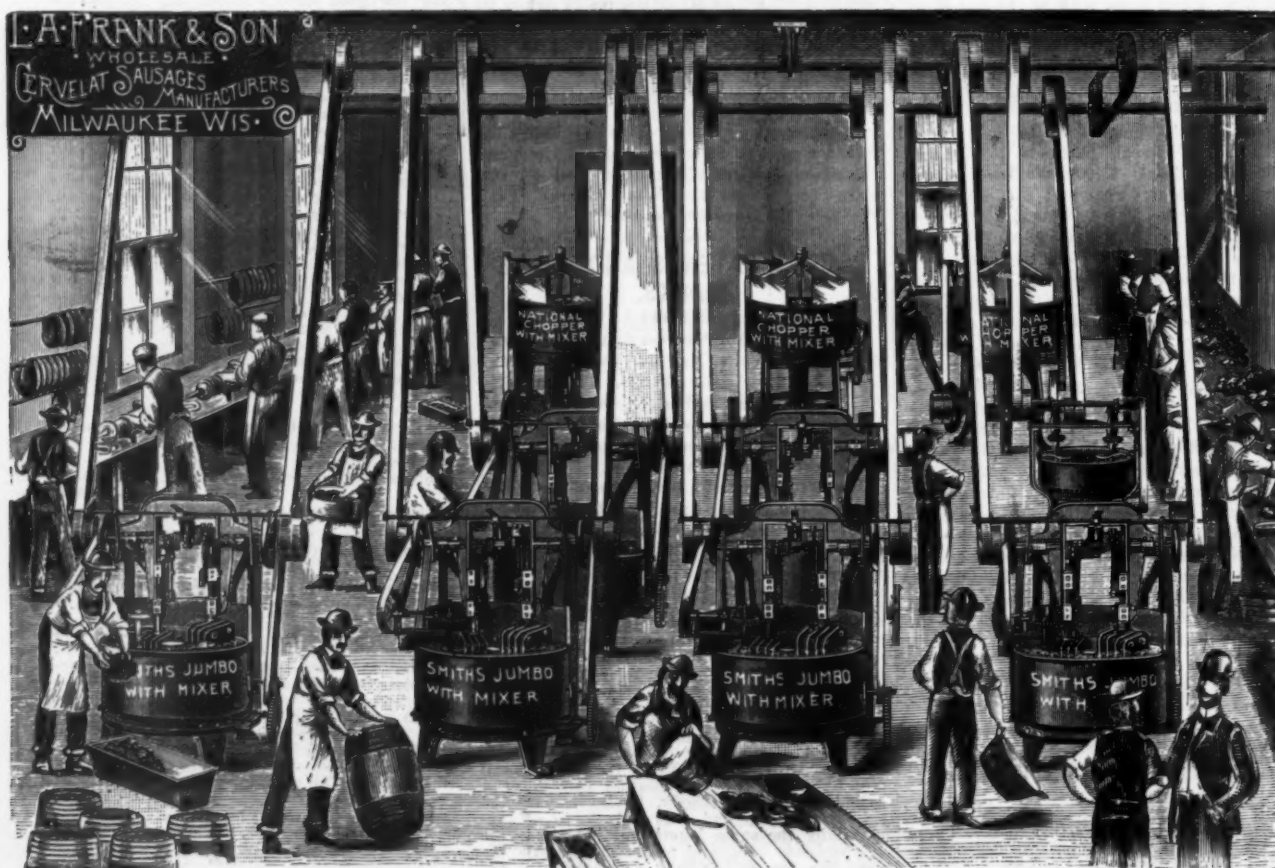
Conveyors, Shafting, Hang-
ers and Pulleys. Steam and
Power Pumps. Vacuum, Air
and Artesian Well Pumps.
Shackles, Branders, Fat and
Bone Washers, Bone and
Horn Saws, etc., etc.

Improved Hog Scraper,
Capacity 700 Hogs
per Hour.



The Standard Double Acting Vacuum Pump is for any purpose where the Vacuum process is necessary, such as Sugar Refineries, Condensed Milk Factories, Concentrating Extracts, Chemicals, etc. It can either be used for a dry or wet process. The workmanship and material used in their construction is of the best character.

If you want to know which is the best meat cutter in the world write Frank & Son. They have used every machine made. JOHN E. SMITH & SONS, Buffalo, N. Y.



TECHNICAL. MANUFACTURE OF GLUE

The following articles on the above subject have appeared in "The National Provisioner" on the dates named:

APRIL 25, 1896—	"Points on Glue Making."
" "	"About Liming of Glue Stock."
MAY 2, " "	"About Glue Stock."
" 9, " "	"Glues for Various Purposes."
" 16, " "	"Waste of Glue Material."
" 23, " "	"Points About the Water for Glue Factories."
" 30, " "	"About Nettings for Drying Glues."
JUNE 6, " "	"About Coloring Glue."
" 13, " "	"Clarifying Glues."
" 20, " "	"Glue in Coolers."
" 27, " "	"About Drying of Glue."
JULY 4, " "	"About Bone Glue."
" 11, " "	"About Raw Material for Making Gelatine."
" 18, " "	"The Leaching of Hard Bones and Horn Piths."
" 25, " "	"How to Economize Acid for the Manufacture of Gelatine."
AUG. 1, " "	"Cooking of Gelatine."
" 8, " "	"Utilization of By-Products from the Manufacture of Gelatine."
" 22, " "	"The Temperature for Cooking Glue."
" 29, " "	"About Isinglass."
Sept. 12, " "	"The Bleaching of Glue."
" 19, " "	"Preservatives for Glue."
IV 26, " "	"About the Foaming of Glue."
OCT. 3, " "	"How to Make Sweet Glues."
" 10, " "	"About New Glue Tests."
" 17, " "	"Recent Improvements and Inventions in the Manufacture of Glue."
" 31, " "	"About the Cracking of Glued Joints."
NOV. 7, " "	"About the Cutting of Glue"

ABOUT HAIR FROM GLUE MAKING.

Large quantities of hair are produced in washing and cooking limed glue stock. When washing the stock the hair is separated with the aid of a suitable fork; it is important to have this done as completely as possible.

Most of the glue factories are not paying any attention to this point, claiming it does not pay to separate the hair and furthermore pretending that a certain amount of hair in the cooker is useful to obtain clearer glues, the hair acting as a filter. This little advantage, if it exists at all, is fully counterbalanced by the increased yield of fat in the cooker, if the hair has been previously separated.

The green hair contains comparatively very little grease, but in the cooker where glue and grease are liberated from the stock, the hair becomes saturated with the grease and begins to float. It is a daily occurrence in glue factories to see hair, grease and glue in a mixture floating on top of the glue liquor in the cookers. Such hair, even if it were very carefully pressed, will always retain a large quantity of fat, thereby causing an absolute loss of such fat. Furthermore, it is difficult to understand how such hair floating on top of the liquor can act as a filtering material. Of course, if the bulk of the liquor is run off and the hair has formed a thick layer all over the bottom of the cooker, the last parts of the glue liquor will get the benefit of the strainer and accordingly will appear very nice and clear, but the bulk of the liquor has not been strained through this hair and is accordingly not as clear as the last portions of the run.

The hair separated from the wash stock is comparatively pure while the hair from the cooker contains skins, bones, hoofs and limestone.

There are several different ways of obtaining a commercial product from this hair.

First—Drying, especially in summer time. The dry hair is either used for wall plastering or for the manufacture of carbonate of ammonia or prussiate of potash. It may also

be used when mixed with lime and asbestos to cover water and steam pipes. The lime required for this purpose is obtained by cleaning the lime vats and sewers in the lime department. The lime found there answers fully for this purpose.

Second—Cooking of the hair under 80 pounds pressure for six or eight hours. The greatest part of the hair is dissolved, forming a concentrated tank water. The undissolved part gives a very brittle substance, which can be readily ground. More than 50 per cent. of the fat in the hair is recovered by this process.

Third—Pressed hair is brought to a dry heat of 300 degrees F., which renders the hair brittle and easily ground into a powder containing 12 to 14 per cent. of ammonia. By this roasting process a good deal of the hair is converted into gases which escape and are an entire loss if not condensed by the aid of acid. The best way of carrying out this process is to fill the Anderson one tube jacketed dryer or any other good make of these dryers, then close same and turn on steam for about ten to twelve hours. While there is no air coming in contact with the hair, there is no danger of its being set on fire.

Fourth—The hair is treated with a small amount of sulphuric acid and subsequently dried. The dry substance gives a brown powder containing 8 to 10 per cent. ammonia.

Fifth—In the manufacture of super phosphate, the hair is dissolved in sulphuric acid and heated until a uniform brown liquor is obtained, while in the surplus of acid ground meal or rock phosphate are dissolved. After a few days the product can be ground without being dried.

The residues from the lime sheep stock and lime fleshings may be treated in the same manner as hair. The ammonia in dried, not dissolved hair, is not available, while that in dissolved hair is about as good as the ammonia in blood, nitrates or ammonia salts.

We mentioned in another article that hair can be worked up into a fertilizer by drying with the tank water. We also think that some of the glue factory hair could be used instead of pig hair, if properly treated with sulphite of sodium, caustic soda, and finally dyed black. We think that such hair is a good deal more elastic than pig hair and can easily be mixed with the curled cattle hair.

From above remarks it may be deduced that the hair is by no means a useless offal and it is surprising to see some glue factories burn their hair under their boiler in order to get rid of it. Of course hair containing 25 per cent. or more grease will burn with a large flame, but coal screenings are a great deal cheaper than hair as a steam producer. We desire the glue factories to call upon us for help in this respect. Send us a sample of your hair and we will give you a practical advice how to change your hair department eventually. Our work is strictly confidential.

THE THEORY OF SUCCESS.

The New York Central management evidently proceeds on the theory that the more care there is taken of a traveler, the more he will travel—witness its "Limited" trains, block signals, free attendants, and the comfort and luxury surrounding one from beginning to end of a journey on "America's Greatest Railroad."***

THE OLD STORY.



Common Pail with hoops off.

Cable Pail with hoops that can't come off.

WOODEN-WARE THAT CANNOT FALL TO PIECES.

LARD PAILS and TUBS

ALL SIZES.

Cable and Common Hoop, Plain and Hinge Covers.

MANN BROS. 6 WABASH AVE. CHICAGO, ILL.

Received Highest Award at World's Fair, Chicago, 1893

SOAP MAKING.

No. 18.

IN RELATION TO THE MANUFACTURE OF HOUSEHOLD SOAP.

In a former article we suggested the employment of hypochlorite of soda in the purifying and improvement of cottonseed oil, and cottonseed oil stearine and soap. This same chemical may be used with good effect in the manufacture of any quality of household soap where an improved color is desired. It is particularly useful in dealing with the nigres of the household soap, which are always a source of loss to the manufacturer, and in many cases a source of anxiety, for it is not always easy to find a market for the dark scouring soap, and in many cases where a market is found it is only at a very low and unremunerative price. Hypochlorite of soda applied to nigres considerably improves the color, and raises them from the grade of manufacturer's soap into that of household soap. By its use a very excellent soap may be produced from nigres which would otherwise only be fit for manufacturer's soap, and that at a very moderate expense. The nigres should be kept by themselves after they have been discarded as too dark for household soap. When there is collected as much as make a pan of soap a quantity of the hypochlorite should be mixed with the pan and the whole boiled up with lye, opened, washed, and finished in the usual way. It is best to boil through with the hypochlorite before adding the lye or salt. This will give you from nigres, and what would otherwise go as manufacturer's soap, a good quality, and instead of having a large quantity of dark soap to deal with, the quantity will be comparatively small.

Another outlet for nigres is the heavily-liquored cheap soaps, but the demand for that class of soap is getting less and less every year.

By the process we have indicated you would only then have the nigre of the nigres to throw into dark soap, and these would naturally be retained by themselves, and form a separate making.

(Continued on next page.)

Welch, Holme & Clark Co.

383 WEST STREET,

NEW YORK.

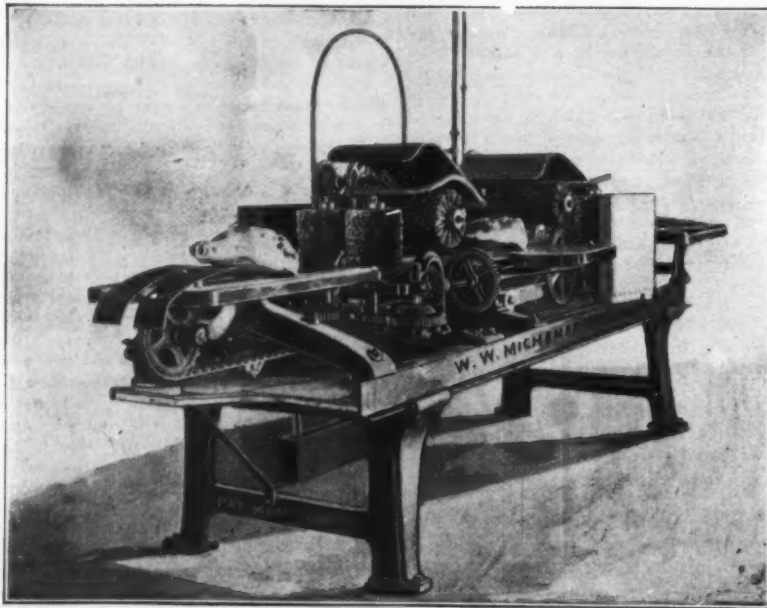
Importers of Superior Quality Green Olive Oil Foots

**INDISPENSABLE TO EVERY
PACKING HOUSE.**

W. W. MICHENER'S

... A GREAT LABOR SAVER !

**Patent Automatic
Meat Washer.**



CAPACITY ONE CAR LOAD (1,500 pcs.) PER HOUR.
REQUIRES BUT TWO MEN TO RUN IT.

WILL WASH WITHOUT ADJUSTMENT:

HAMS, BELLIES, SHOULDERS,
CALIFORNIA HAMS,
BEEF HAMS, TONGUES.

ADVANTAGES:

THOROUGHNESS, SPEED,
EVEN TEMPERATURE OF WATER,
SIMPLICITY, DURABILITY,
GENERAL ECONOMY.

This machine is built for service, will cleanse thoroughly any size of the several cuts of meat mentioned above **WITHOUT ADJUSTMENT**, and will prove invaluable to Packers and Smokers of Meats.

Machine can be seen in operation at:

SWIFT & CO., Chicago, Ill.
J. H. MICHENER & CO., Philadelphia, Pa.
MICHENER BROS. & CO., Chicago, Ill.

CORRESPONDENCE SOLICITED.

W. W. MICHENER,

**UNION STOCK YARDS,
CHICAGO, ILL.**



THE BEST AND SIMPLEST APPARATUS

— FOR —

DRYING SCRAP.

ADDRESS, FOR FURTHER DETAILS,

The Empire Laundry Machinery Co.

SODEN ST., CAMBRIDGEPORT, MASS.

**Pointers and Directions for Using Our
Extractors in Wholesale Packing
and Slaughter Houses.**

The word "scrap" means dry tankage, or refuse, and the process given is to prepare it for a fertilizer for the market.

1. What amount of raw material will the Extractor take at one time? Answer.—Three-quarter barrel of scrap, or tankage, which weighs from 250 to 300 lb per load.

2. What percentage of moisture remains after it has been acted upon? Answer.—About 12 per cent. of water.

3. What amount of grease is left in the stuff? Answer.—None, or less than 1 per cent., and if thoroughly washed with warm water, none whatever.

4. How long does it require? Answer.—Fifteen to twenty minutes.

5. What power to drive the Extractor? Answer.—From three to four horse-power to start it. When it is at its momentum it releases itself.

6. Will it dry the material; that is, the scrap or tankage? Answer.—No. But it will lessen the time of drying in Steam Cylinder Dryer. And as we have stated in question No. 3, if thoroughly washed, it can be done in less than twenty minutes. No Press is necessary when using the Extractor.

How is the grease saved? Answer.—Run the water and grease into a wooden tank below, and skim off the grease as it settles on top of the water.

8. How is the Extractor operated? Answer.—Fill it with scrap. Then turn on hot water from pipe above and stir until thoroughly mixed, then cover and start the machine, running fifteen minutes. If necessary stop the machine and add a second supply of hot water, until the operator is convinced that all the grease is thoroughly washed out of the scrap. Remove the scrap to the Cylinder Steam Dryer. Keep it in the same until it is thoroughly dried and the particles will not cling to each other.

The secret of perfect success in preparing scrap, or tankage, for fertilizing purposes is, thorough washing with very hot water in the Extractor.

9. Cost of Extractor? Answer.—\$350.00 F. O. B., Boston, Mass.

TECHNICAL.

SOAP MAKING.

(Continued from previous page.)

In order to use the hypochlorite of soda economically it must be produced on the premises. With proper plant this can be done very simply, and at a moderate cost. A lead-lined vat with close steam in it is all that is required to manufacture any quantity that is likely to be used. The vat must be lead-lined; otherwise the hypochlorite would act upon the iron. The vat should be of a good size, so that a quantity may be made at a time, a large quantity being about as easily made as a small one. If the vat were, say, of ten tons capacity, six tons, or thereby, of water may be run into it. To the water is then added about fifteen cwts. of common bleaching powder, and well mixed until it is like milk of lime. The heat is then started, and gradually raised to about 120° to 130° Fahr., when there is added about 11 cwts. of ordinary 90 per cent. alkali. The alkali is added gradually, and the whole well mixed while it is being added. The hypochlorite is thus gradually formed and retained by the water, the insoluble carbonate of lime precipitating to the bottom of the vat, and, after a washing with water, which washing may be used with a fresh batch, the lime is run off into the drain, being practically valueless. Before using the solution it is necessary to see that the carbonate of lime is properly settled out, as, obviously, it must not be allowed to find its way into the soap pan. There is no danger of this, however, as the solution settles as pure and clear as water.

The relative merits of cold process and boiled soaps have often been discussed, and are worthy of some consideration at our hands. The great advantages on the side of the cold process are, of course, the small amount of plant required in relation to the quantity of soap produced and the rapidity with which the soap can be produced. To make a pan of boiled soap before it reaches the soap frames requires at least about a week, whereas a pan of cold water soap may be made in a day.

These are certainly great advantages, and are not to be lightly disregarded; but, unfortunately, there is inherent in the cold process a number of disadvantages so considerable that as yet, at least, it has not been very generally adopted for household soaps. The first disadvantage to the manufacturer by the cold process is that it confines him to a certain class of material, or perhaps it would be more correct to say that it prevents him using a certain fat which is of the greatest importance to the manufacture of household soaps. Rosin is the cheapest fat known to the trade that enters into the composition of our ordinary every day soap, and it is necessary in the production of almost any household soap, for it gives the smell and tinge of color that consumers have long been accustomed to, and that they invariably look for. Now rosin is just the one material that cannot be used in the manufacture of soap by the cold process. If we attempt to make soap by the cold process with the usual proportions of tallow and rosin, we find that it will not produce a satisfactory article at all. The saponification that takes place seems to be only partial, and the product contains a considerable proportion of free fat and free soda, and is totally unfit for any purpose whatever. In boiling the soap the soapmaker removes, to a great extent, the objectionable color in the rosin, and it contains a great deal of very objectionable coloring matter, whereas in making by the cold process the whole of this coloring matter is retained, so that, even if

proper saponification of the rosin could be attained, there is this additional objection to the color—a not unimportant one so far as the sale of the soap is concerned. There is another point: In boiling rosin with alkali not only do you remove an objectionable color, but you at the same time remove an objectionable smell. There is always a rankness about the smell of soap made with rosin by the cold process. This rankness is not present in boiled soaps and must go off with the objectionable coloring matter to which we have already alluded. It will be seen, therefore, that rosin in a cold process soap is not desirable, and practically that it cannot be used where that process is employed. This, of course, heavily handicaps the cold process soap as against the boiled soap, because the difference in cost between fine rosin and any fat that may be substituted for it cannot be less than about £9 per ton, and that means a difference of no less than £1 5s. to £1 10s. per ton of soap.

The best fats to use wherever the cold process is preferred are cocoanut oil, tallow, and cottonseed oil or stearine. A combination of the three is probably the best, all things considered. The cottonseed oil comes in very handy, as far as regards price, as a substitute for the rosin. It is generally advisable in making a cold process soap, to see that the quantity of cocoanut oil always predominates over other fats. The quantity of tallow and cottonseed oil or stearine combined should not exceed the quantity of cocoanut oil used. Cocoanut is, par excellence, the material for the cold process manufacturer; it is so easily and so readily saponified. It is a question if it is possible to get perfect saponification even with cocoanut oil alone. However, it is a material so easily managed that one can stop short of its full quantity of lye, and yet have a tolerably satisfactory soap. This would at least avoid the presence of any free alkali. Where there is other material present, however, you could not do this and produce a satisfactory soap. The soap would be soft and not very soluble—two fatal defects in these days. Cocoanut oil, again, cannot be used alone in making household soaps. In the first place there is the cost, but, in addition to that, it has a peculiar and pungent odor not appreciated by the consumer, and this odor can only be got over when you add to it a considerable quantity of perfume, and thus turn it into a toilet soap. The addition of the tallow in a manner gets over the disagreeable odor, although not altogether, for even then it requires a little perfume to cover it, and the addition of the cottonseed oil in a measure gets over the en-

hanced cost caused by the absence of the rosin. But even supposing these difficulties are overcome, it is not probable that the cold process soap will commend itself to the public. Nothing can ever get over the fact that cold process soap has quite a different appearance from boiled soap, and the public are so prejudiced that, without some feat of advertising, to which, we admit, all things are possible, they will stick to the old style of soap, and the soapmaker must, of course, study the public if he would sell his soap to advantage.

(To be Continued.)

USEFUL ARTICLES MANUFACTURED FROM BLOOD.

It is not generally known that blood is today sold at so much a pound for making buttons, combs and penholders, yet such is the fact. In Europe it is more extensively used for such purposes than in the United States, but its value in these lines here is being gradually more appreciated. It is simply another instance of the industrial progress of the age. Blood is sold to the manufacturers of these articles at this time, at about 11 cents per lb, the average price for congealed gore in its dry state. The price is kept up by the active competition to secure the blood; for it makes a splendid fertilizer, and the farmers are always demanding it. Very little goes to waste in a New York slaughter house.

Having secured a supply of congealed blood, the manufacturer next proceeds to grind the fibrous substance to powder. This powder, mixed with a little water, is the sole ingredient for the substitute for bone in the button, comb and penholder industry.

The mass is placed over a mold and is compressed by hydraulic means. When it is taken out the substance is as hard as bone and of the desired shape. There is little in its appearance to show that the material originated in the slaughter house. The natural color of a blood button is black, and it can be used without the slightest suspicion of its uncanny origin.

If it is desired to color the substance the manufacturers mix it with clippings from the hoofs of the animal, and it then comes out in variegated hues.

The industry is an extensive one, many of the Chicago slaughter houses shipping congealed blood to New York for the use of the makers of the articles mentioned. The cheapness of the product is its chief recommendation.

KNUCKLE JOINT SCRAP PRESS.

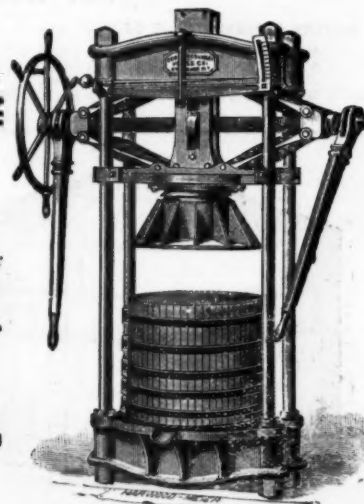
THREE SIZES
BY
HAND OR POWER.

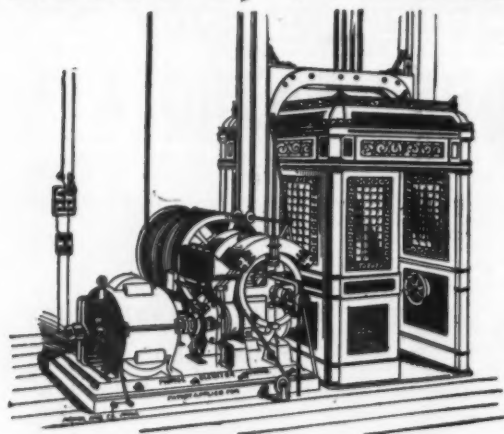
Doors swing open to remove crackling. Follower swings back to uncover hoop when putting in scrap.

Also FERTILIZER PRESSES.

SEND FOR CATALOGUE.

BOOMER & BOSCHERT PRESS CO.,
362 WEST WATER STREET,
SYRACUSE, N. Y.



Morse, Williams & Co.

MAKERS OF . . .

PASSENGER AND FREIGHT**ELEVATORS**

OF EVERY DESCRIPTION.

Works: Frankford Ave., Willey
and Shackamaxon Sts.**PHILADELPHIA.**

OFFICES,

108 Liberty Street, New York.

82 Church Street, New Haven.

19 Pearl Street, Boston.

4 East Lexington St., Baltimore.

413 Fourth Avenue, Pittsburg.

425 Spruce Street, Scranton.

**WM. R. PERRIN
& CO.
CHICAGO.****GET OUR PRICES.**

ESTABLISHED 1876

L. KRAUSKOPF,

DEALER AND EXPORTER IN

**TALLOW, GREASES AND SOAP
MAKERS' MATERIALS,**

430 North Third Street, and 425 Dillwyn Street,

PHILADELPHIA.

Western Agent, W. GLENDON WILLIAMS,

406 GRAND STREET, PITTSBURGH

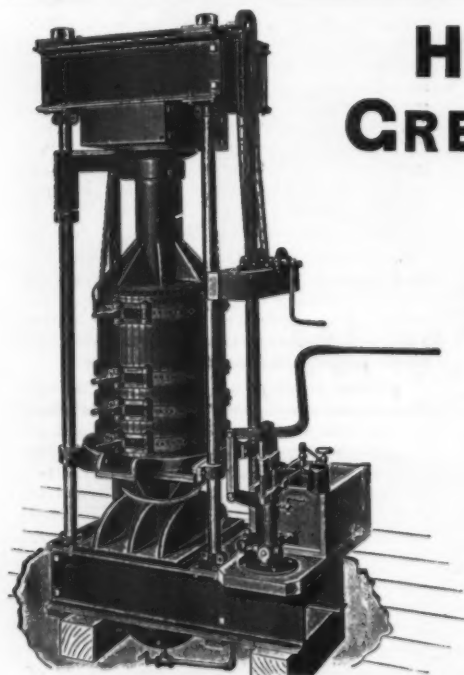
JOSEPH LISTER,

Manufacturer of

GLUE,

DEALER IN PORK AND BEEF CRACKLINGS.

1158-1160 Elston Ave., CHICAGO.

TO SOAP MAKERS.**RENDERED KIDNEY
TALLOW FOR SALE.**JOSEPH LISTER, 1158-1160 Elston Ave., Chicago.
*******HYDRAULIC
GREASE PRESS.**

ALL SIZES.

+++++

. . THE . .

**Hydraulic Press
Manufacturing Co.**

MT. GILEAD, OHIO.

Eastern Office,

6 Harrison Street, NEW YORK.

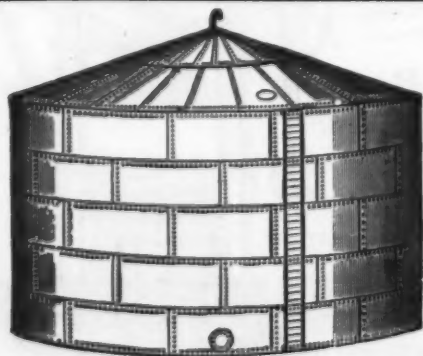
Western Office,

41 West Randolph St., CHICAGO.

KLEY ENGINEERING CO.

231 West 42d Street, New York City.

EASTERN REPRESENTATIVE OF

V. D. ANDERSON CO., for Odorless Fertilizer Dryers,
STEDMAN FOUNDRY AND MACHINE WORKS for
Bone Crushers and Disintegrators,
WEIR & CRAIG MFG. CO., Packing-House Machinery.**PACKING HOUSE
MACHINERY
OF ALL KINDS.**Complete Outfits for Pork and Beef-Packing Houses, Oleo-Oil
and Butterine Factories, Lard Refineries, Fertilizer
Works, Meat Canning and Beef Extract Factories.**REFRIGERATING PLANTS INSTALLED.****WM. CRAVER TANK WORKS**

MANUFACTURERS OF

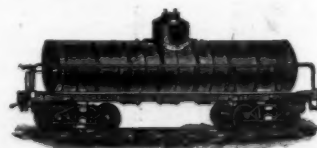
IRON AND STEEL TANKS

A SPECIALTY.

OFFICES,

**790 OLD COLONY BUILDING,
CHICAGO, ILL.****WORKS: EAST CHICAGO, IND.**

On Belt Line connecting with all Chicago Railways.



VAN DEN BERGH'S MARGARINE CO. (LIMITED).

(From Our London Correspondent).

The annual meeting of the above company was held at Winchester House, Old Broad street, E. C., recently. Lord Ebury (chairman) presided.

The chairman said the meeting had been called that they might re-elect one of the directors, and also elect the auditors of the company, but as that was the first meeting of the preference shareholders, perhaps before they went to that business they might desire to hear from him as its chairman, some accounts of the origin, position and prospects of the undertaking. Van den Bergh's business was no new creation. More than half a century ago the name was known in the provision trade, and as far back as the year 1872 Van den Berghs had been venders of the commodity with which their name at present was generally associated. It was not until 1869 that a scientific Frenchman invented a mixture called margarine as a substitute for butter, and Van den Berghs, then largely engaged in the butter trade, quickly detected its excellent marketable qualities, and decided at once to divert their energies to the manufacture of the new invention. Commencing on a comparatively small scale in Holland, they rapidly developed the business, and they had gradually been led to establish extensive branches elsewhere—first of all upon a splendid site at the waterside of the town of Rotterdam, afterward at Cleves, in Germany, and lately at Brussels. But from the early days their prospects in the United Kingdom met with such exceptional favor that necessity led them to establish official headquarters in London; and in London they had been established, he supposed, for twenty years, with a position so prominent in the trade that in contracts which were taken for supplying large consumers it was a very usual stipulation that the name of Van den Bergh should appear upon every package as a guarantee for the excellence and purity of the article supplied. Such was the concern which the company took over in March, 1895, and as directors they had every reason to congratulate the shareholders upon the acquisition, for excellent profits continued to be made. The business, moreover, had the satisfactory but by no means very usual feature that instead of depending for its prosperity upon the life and energies of a single man, it was jointly managed by several members of the same family, who had an intimate knowledge of its requirements and a large pecuniary interest in its welfare. During the first year of the company's working the audited accounts showed a net profit of 870,001—an amount more than enough to pay the preference dividend three times over, and after satisfying the claims and making ample provision for reserve and depreciation, there was 8 per cent. left for the half-million of ordinary capital, and a handsome balance to carry forward. He was happy to be able to add that for the six months ending June 30 last—and the first six months of the year were reckoned a lean half-year—the profits were so well maintained that his colleague Mr. Praed and himself, who were their special representatives, felt that no prejudice could accrue to the preference shareholders by the declaration of an interim dividend upon the ordinary shares at the same rate as the preceding year. During the three months which had elapsed since that time they had received most gratifying intelligence from abroad of the existing connection and increasing profit, which later might perhaps cause some surprise in the minds of those who knew that margarine had of late been selling at anything but high prices, unless they were also aware that any deficiency in that respect had been more than counterbalanced by the abnormally low level

of the markets connected with the raw materials of manufacture. Indeed, at one time, not so long ago, those materials were so cheap that the directors deemed it good policy to buy and hold a large stock, and the prudence of that policy had been vindicated by the recent rises amounting to from 60 to 70 per cent., which had only one dark side, that he feared the increase in the prices of the manufactured article was its natural and necessary sequel. A preparation like margarine, which closely competed with the cheaper qualities of butter, naturally aroused hostile feelings on the part of butter producers in that country and elsewhere, and to them the handle for agitation had been given by the discovery that here and there an unscrupulous tradesman mixed margarine with butter and sold the blend under the name of the higher priced component. Under the plea of putting a stop to that fraudulent practice, which the law of any civilized country—if properly administered—should reach, an endeavor had been made to smother the legitimate competition under the weight of legislative enactment. But the endeavor had not succeeded. In Holland, Belgium and Germany it seemed clear that margarine was to be allowed to stand upon its own merits, unhampered by repressive restriction either of manufacture or sale. And in that country, although the majority of the Committee on Food Adulteration which sat last session introduced some objectionable recommendations into their report, those recommendations were not introduced by the chairman, who represented the Government upon the inquiry, and he did not think there was much fear that any legislation would be founded upon them either by the present or any succeeding Government. He believed there was a talk some time ago of Argentine butter being shipped to this market in quantities and at a price which would send margarine to the cold shades of neglect. He was not aware upon what data the suggestion was founded, but two circumstances had happened which had demonstrated its futility. The one with respect to the raw material he had already referred to. The other was the fall in the gold premium at Buenos Ayres. Australian butter had likewise been mentioned as a possible rival, but the developments of intercolonial trade were beginning to restrict Australian exports, and in any case good butter from Australia, if forthcoming, would be contracted for here at a much higher price than now. It seemed likely, then, that margarine would hold its own as a profitable article of commerce by those who had experience in its manufacture. In its complete form it was the backbone of that company's business, and he hoped would long remain so, but it would be quite incorrect to suppose that it was the only source of profit which the directors had at their disposal. Many of them were no doubt well aware that in order to obtain the necessary admixture of cream in the manufacture of margarine, a great quantity of milk was used, which was afterward sold at insignificant prices to the farmers for pig feeding purposes, or rather, he should say, was so sold until the happy idea was hit upon of making it (in combination with unskimmed milk, and in a condensed form) available for human consumption. This condensed milk had met with an excellent reception, and seemed likely rapidly to extend the circle of its admirers. But milk was not the only by-product. He need hardly explain perhaps that in a margarine factory, where all the material was severely tested, there must remain a residuum which, although by no means unsound or unwholesome, fell short of the highest standard required for edible purposes. As it was the opinion of the board that everything should be turned to account, it had been decided that soap was the form in which that hitherto neglected residuum

(Continued on next page.)

TALLOW, SOAP, GLUE, FERTILIZER AND COTTON OIL TRADE NOTES.

CORRESPONDENTS, SUBSCRIBERS AND OTHERS SENDING ITEMS FOR THIS COLUMN SHOULD MAIL THEM SO AS TO REACH THE EDITOR NOT LATER THAN THURSDAY EVENING.

An exchange says that one of the earliest monopolies to enjoy existence was a soap trust founded by one James Lucena, a native of Portugal, who came to America more than a century and a quarter ago. His place of business was in little, but progressive, Rhode Island. They treated him different from what they do trusts nowadays. They had as high regard for soap in those days as they do now, and they lauded Lucena to the skies, gave him the full rights of citizenship, and the exclusive privilege to manufacture soap in the colony for a period of ten years. Lucena probably retired at the end of the decade with his coffers filled with gold.

A settlement has been effected in the injunction suit of Minotte E. Chatfield, et al., against Lederer & Wolfe, proprietors of the soap factory, New Haven, Conn., and the suit will be withdrawn. The plaintiff sought to prevent the re-building of the defendant's plant, which was destroyed by fire, owing to the alleged unhealthful odor the plant when in operation threw out.

J. B. MacMahan, Chicago, manager of N. K. Fairbank & Co., has been in Buffalo this week.

Plans have been submitted to the Bureau of Building Inspection, Philadelphia, for an addition to the soap factory of Fels & Co., at Seventy-third street and Island road, in that city. The addition will be of brick, three stories, 75.4 by 73.6 feet.

E. W. Kenny, proprietor of the Shasta County Soda Works, in Redding, Cal., has ceiled the interior of his building, and is now building an ice-chest of 3,000 pounds' capacity.

The American Cotton Oil Co., 46 Cedar street, New York, has declared the semi-annual dividend of 3 per cent. on the preferred stock, payable Dec. 1.

At Ivorydale, Proctor & Gamble are greatly increasing the number of their employes in order to work their soap plant to its full capacity.

Nathan C. Lane, of Washington, D. C., a dealer in the Eastern market, was fined \$1 by Judge Miller for violating the pure food law, in selling cottonseed oil as olive oil. Mr. Lane admitted that he sold the oil in question but denied emphatically that he had even intimated that it was olive oil. The Emerich Beef Co., 215 Indiana avenue, Washington, and Isaac Schwartz, 331 Pennsylvania avenue, charged with similar violations, paid a fine of \$2 each without submitting a defense.

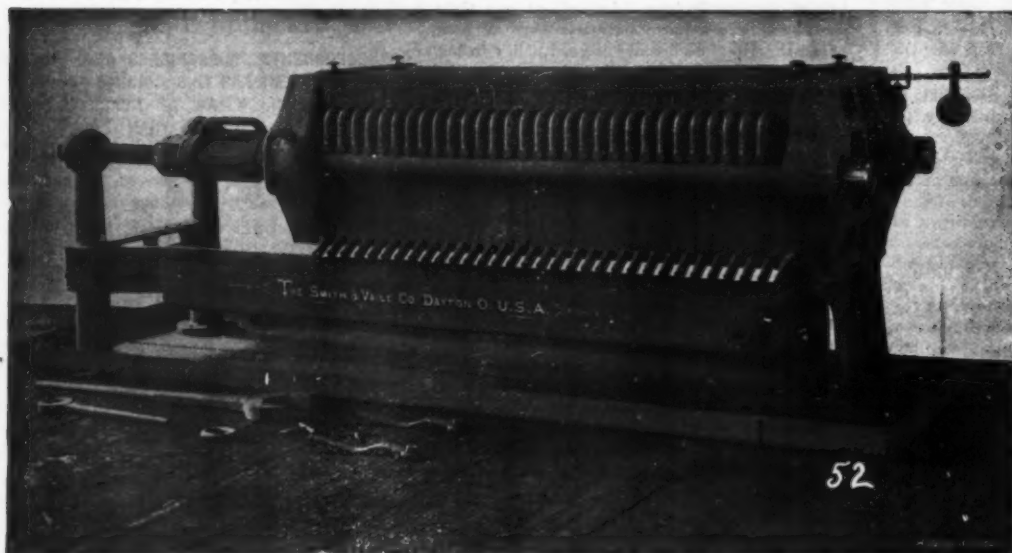
Tacony, Delaney & Co. will build a glue works in Philadelphia.

A three-story brick addition, measuring 75 feet square, is to be built to the soap works of Fels & Co., on Finicum Island road, Philadelphia.

Jephth Wagner, formerly the proprietor of the Wagner Fertilizing Company, of Syracuse, N. Y., died at his home in Warrenville, N. J., Sunday last, from the effects of injuries received by falling from the roof of a barn.

C. F. Goodrich, of Toledo, O., has asked a bonus from the City Council for the location of a soap factory there, the capacity to be 2,000 pounds per day, and the product odorless.

At 1243 and 1245 North Twenty-sixth street, Philadelphia, a three-story brick soap warehouse, 36x40 feet, with a two-story brick stable, 36x22 feet, in rear, is to be built for Charles H. Young & Co.

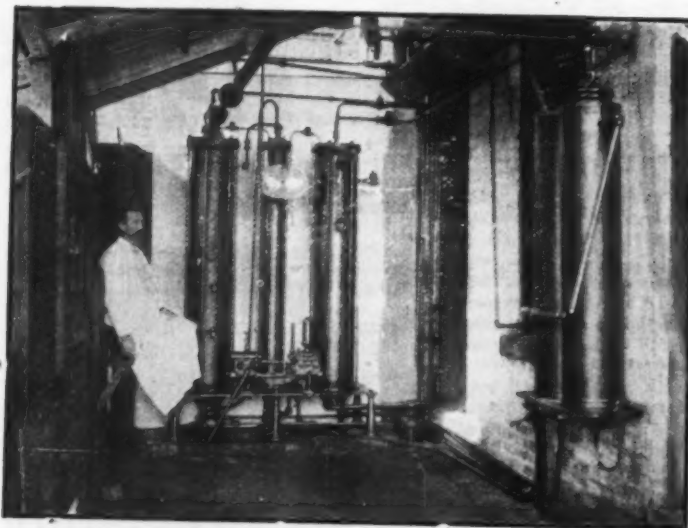


FILTER PRESSES

Specially constructed for the
Filtration & Clarification
of Animal and Vegetable
OILS AND GREASES

ALSO
Refrigerating
Machines,
From 1 Ton up to 10 Tons,
Specially built for
Large Retail Butchers
AND
Packing Houses.

THE STILWELL-BIERCE & SMITH-VAILE CO., DAYTON, O.
New York House, 114 Liberty St. Catalogues Furnished. Chicago House, 63 S. Canal St.



MCCRARY'S SMALL • REFRIGERATING AND ICE MACHINES.

Capacity, 250 lbs. to 10 Tons
Refrigeration.

SPECIAL ADVANTAGES. No engine or motor power required. No experienced engineer required. Simplicity in construction and operation. Only a few hours operation per day required. Always furnishes Pure Distilled Water for ice making, table use or medicinal purposes, (no other small machines do.) Most economical in operation. Especially adapted for use by butcher's, hotels, dairymen and bacon-curing establishments.

For further information and testimonials, address
**E. VAN WINKLE GIN & MACHINE WORKS,
ATLANTA, GA.**

NEW METHOD OF LUBRICATION

KENT LUBRICATING COMPOUND

WILL STAND
350° F. HEAT.

Saving of 50 per cent. over ordinary lubricating methods in cost of material and mode of application. **ABSOLUTELY NO DRIP.**

For all varieties of shafting and bearings, and in the operation of steam plants generally the compound is matchless.

Used by hundreds of the leading houses in the country among whom are the De La Vergne Refrigerating Machine Co.; Anheuser-Busch Brewing Co.; the Trunk Lines, etc., etc., etc.

WRITE THE **N. Y. & N. J. LUBRICANT CO.**
30 CORTLANDT ST., NEW YORK CITY.

MINERAL WOOL

Best and Cheapest
Insulator for

GOLD STORAGE

—AND—

ICE HOUSES.

Samples and Circulars Free.

U. S. MINERAL WOOL CO.

2 CORTLANDT STREET, NEW YORK.

WESTERN MINERAL WOOL CO
Cleveland, Ohio and Chicago, Ill.

PACKERS

DESIRING

COLD STORAGE

IN NEW YORK
SHOULD APPLY TO

Terminal Warehouse Company

OFFICES, No. 9 PRODUCE EXCHANGE,
NEW YORK CITY.

Central Stores, W. 27th and 28th Streets and
North River.

Cold Storage and Freezing.

WANT AND FOR SALE ADS can be found on PAGE 50.

VAN DEN BERGH'S MARGARINE CO. (LIMITED).

(Continued from previous page.)

um could best administer to the comfort of the community and the profit of the concern. (Hear ye, hear!) The venture had too recently been made to speak of its proficiency, but he was sure the samples had met with favor in the trade. There was still one other source from which the company derived considerable profit, as agents they did a considerable trade in bacon, butter and lard. So that upon the whole he thought it might be said that the business as established was moving on comprehensive lines, and with entire regard to the virtue of the axiom that it was well to have more than one string to their bow. (Hear, hear.)

The company had had to contend with considerable difficulties—difficulties over which, he was glad to say, the vendors were in no way responsible—in obtaining a transfer of a portion of its property. Although he had felt strongly about those difficulties, he felt it more politic not to qualify them with epithets, because it was unadvisable to knock their heads against a government when they wished to transact business within the sphere of its influence. The effect of those difficulties was to delay a quotation of their shares until April in the present year, and that perhaps might be the cause why they had not yet obtained that share of public favor which they would seem to merit, not only on account of the large margin of profit earned over and above what was necessary to satisfy their claim, but also because no mortgage would be incurred without the consent of a majority of three-fourths of the preference shareholders." (Hear, hear.)

NATIONAL CASH REGISTER CO.

The factory of the National Cash Register Company covers 8½ acres of floor space. 1,300 people are employed the year around in the manufacture of cash registers exclusively.

The price of National Cash Registers range from \$8 to \$350. About ninety kinds and classes are regularly manufactured. If a \$10 register is what a man needs, the Company is as glad to sell that as one of its higher priced machines.

But the man who buys a register from the National Co. gets more than a mere machine. Its Department of New and Unique Business Systems furnishes each purchaser, free of extra charge, a system in connection with the register, for keeping track of all the transactions between clerks and customers in his store. It also gives a two years' guarantee, which is backed up by the \$1,500,000 invested in the business.

Any man anywhere who wants to buy a cash register, will find it profitable to write to the National Cash Register Company, Dayton, O.***

PACKING HOUSE NOTES.

Manufacturers of machinery and fixtures interested in these notes, should also consult the items under Ice and Refrigeration, and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 40.

* The Butchers' Association, of Montreal, Quebec, has elected the following officers: P. Bedard, president; M. Daoust, first vice-president; George Fischer, second vice-president; H. Poitras, treasurer; E. Hougue, assistant treasurer; Joseph Denis, Jr., secretary; F. Blay, assistant secretary; F. Bigras, corresponding secretary; O. Patenaude, marshal.

* The records of the Department of Agriculture of Canada show that for the month of October 770 hogs were slaughtered in the County of Essex, Province of Ontario, by order of Dominion officials in those portions of the county where hog cholera is prevalent. These hogs were valued at about \$3,700, and the department paid about \$1,000 to the owners in compensation.

* The public market house in St. Louis, which was partially destroyed by the recent tornado in that city, is to be rebuilt.

* The Armour Packing Company, of Kansas City, proposes to pave all the alleys between the numerous buildings comprising its plant, with vitrified brick. Other improvements are also contemplated.

* The slaughter house of A. Eyster, Camden, N. J., was recently destroyed by fire, presumably by thieves.

* The butchers of Plainfield, N. J., have organized a mutual protective association, with these officers: President, Charles Ulrich; vice-president, Fred Endress; secretary, L. A. Hummer; treasurer, David Smalley; trustees, James Guttridge, George Watts, and George Eddy.

* Messrs. J. W. Jones, J. F. Newton, J. B. Cameron, J. W. Post, and Solomon Berghmeier, are the incorporators of the Chattanooga (Tenn.) Beef and Ice Co. The company proposes to buy, sell and slaughter live stock, cure meats, pack pork in all forms known to commerce, and to manufacture ice.

* William Zoeller & Co., of Allegheny, Pa., are building a fine new slaughter house and packing house.

* William Fuhrman, of Lancaster, Pa., will build an addition to his packing house.

* The directors of the International Packing Co., of Chicago, have declared a dividend on the preferred stock at the rate of six per cent. a year for the nine months since the company's re-organization.

* Swift & Co. say of the business outlook: "Business was at a standstill, but now a revival will come equal to that which prevailed prior to the panic of 1893." Nelson Morris & Co. said: "Prior to the election business was dull, partially owing to the weather and partially to politics. We look for a prosper-

ous season. We sell more at high prices than low; there is a better demand."

* A steer weighing over 3,000 pounds has been on exhibition at the Buffalo Live Stock Exchange.

* The members of the Buffalo Live Stock Exchange have formed an athletic club and will establish a gymnasium on the premises of the Exchange. Mr. Newt is the president; Harry Robe is secretary.

* The Sartorius Provision Co., St. Louis, Mo., is a new corporation with a capital stock of \$18,000. The stock is divided among Henry Sartorius, sixteen shares; Henry Edward Goedke, sixteen shares; and Peter Sartorius, four shares.

* The Kansas City Live Stock Exchange has won in a suit against it by Greer, Mills & Co., and the latter must pay a fine of \$1,000 to the Exchange if they wish to do business again on its floor. Greer, Mills & Co. were for many years prominent members of the exchange. They were charged with rebating to influence trade, and when tried on the charge were adjudged guilty and given the association fine of \$1,000, which they very promptly refused to pay. The fight then began. The firm was notified that it must pay or lose its standing and forfeit its privilege as a member. It still refused to pay and began suit in Kansas to prevent the exchange expelling it. It lost the suit and an appeal to the Supreme Court gave it no relief, and then suit was filed in the Federal Court, in Kansas City, and on the petition the court gave it an injunction preventing the expulsion and commanding the members not to discriminate against the firm. The firm had been posted, that is a notice had been placed on the Exchange bulletin forbidding the members from trading with the firm, and an order had been given to prevent the inspectors of the association from "docking" the hogs received by the firm. This was undone by the order of the Federal Court, and since that the case has rested until yesterday. The action of the court takes away from Greer, Mills & Co. the protection they received from the order and leaves them on the outside, with no rights in the association, unless they get to the front and pay the fine.

* Corned beef has been marked up on account of the scarcity of canning material. Other canned meats also have an advancing tendency.

* Commencing Monday there was inaugurated by the United States Government a system of stock inspection at the Herts Island stock yards, adjoining the plant of the Pittsburg Provision Company, Herts Island, that city. The Government Inspection Bureau consists of Dr. H. N. Waller, of Pittsburg, assisted by William H. Kearfott and W. A. Skinner, both of Philadelphia. The inspection is to be conducted in the most rigid manner, and means the examination of all stock arriving at the yards, as well as of the carcasses after the cattle and hogs have been slaughtered, consisting of both an anti-mortem and post-mortem examination.

* Armour will start a sausage factory, it is reported, in South Framingham, Mass., which will give employment to twenty-five hands.

* Cudahy Bros., of Chicago, will, it is said, erect a wholesale house in Brocton, Mass.

* The Utica "Herald" reports great mortality among hogs in Oneida County, N. Y., from hog cholera.

* H. Hathaway, the well known slaughterer and exporter, of Boston, has been in Buffalo this week, buying about twenty cars of cattle for export.

* A movement is on foot in Albany, N. Y., to include in the city's next tax budget the sum of \$5,000 for the purpose of defraying the expenses of a department to be known as the Bureau of Cattle Inspectors.

CUT OUT.

\$10. Order for Copies of Directory and Handbook.

Send C. O. D. by Express..... Copy of your "Pork Packers' Handbook and Directory" (440 pages), at the price of TEN DOLLARS (10.00) per copy. Name.....

The National Provisioner Pub'g Co.
284 & 286 Pearl St.,
NEW YORK.

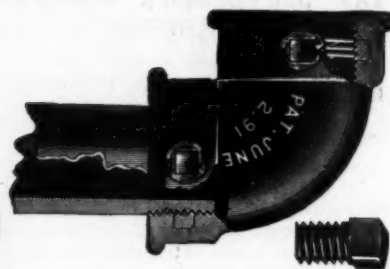
Address {

CUT OUT.

TIGHT JOINT

MALLEABLE IRON

AMMONIA FITTINGS



For ICE & REFRIGERATING MACHINES

NEVER LEAK.

TIGHT JOINT CO., 181-183 BANK ST., N. Y.



CAN YOU AFFORD TO TAKE CHANCES?

IF YOU ARE IN THE MARKET FOR SCALES,
WRITE TO US,

• • • • •

ONLY ONE GRADE STRICTLY FIRST-CLASS.

Adopted by United States Government.

HIGH GRADE SCALES OF EVERY DESCRIPTION.

PERFECT SATISFACTION GUARANTEED.

Send for Price List. Free on Application.

BUFFALO SCALE COMPANY, Buffalo, N. Y.



V. H. Sweinhart Company,

33-175 DEARBORN ST., CHICAGO,

SCALES

OF EVERY DESCRIPTION

FINISHED IN NICKEL, JAPAN
AND BRASS.Best Material, Finest Workmanship, Lowest Prices.PACKERS AND BUTCHERS'
SCALES A SPECIALTY.WRITE FOR DESCRIPTIVE CATALOGUE
AND PRICES.FACTORY NO. 1,
FIRST DISTRICT, ILLINOIS.

J.N. FRIEDMAN, Secy.

FRIEDMAN Manufacturing Co.

BUTTERINE - NEUTRAL LARD.

Office & UNION STOCK YARDS,
Chicago.

TELEPHONE YARDS 828.

SWIFT & COMPANY

We make **WAGONS** for Butchers and Packers.
Our Catalogue G, will interest you. Send for it.

KOENIG & LUHR'S WAGON CO.,
QUINCY, ILL.

GET OUR
PRICES.

PACKING HOUSE NOTES.

(Continued from previous page.)

* At the annual meeting last week of the Aberdeen Angus Breeders' Association, in Chicago, three new trustees were elected, as follows: H. W. Elliot, Estell, Wis.; A. E. Burwell, Cottage Grove, Wis.; L. McWhorter, Aledo, Ill. The question of the probability of a fat stock show in Chicago next year was discussed and the hope expressed that there would be one.

* The Butchers' and Grocers' Protective Association, of Springfield, Mass., held an open meeting last week which will long be remembered by those present. F. J. Wallace, State Organizer of Massachusetts, was among the number. The drawing card was Robert B. Nooney, a retired butcher, of New York City, who is much interested in forming butchers' associations. State Organizer Wallace and others also spoke. After the addresses a general social time became the order of the evening.

* At the annual meeting of the Pork Packers' and Provision Dealers' Association, of Cincinnati, the following officers were re-elected: President, H. H. Meyer; vice-presidents, Matthew Ryan, Frederick Schroth, William H. Davis; treasurer, B. Frank Davis. The secretary said in his report that for the season now ended it was gratifying to be able to say that the total number of hogs packed had been decidedly increased, the gain being 75,000 in comparison with last year; the number reaching 385,000 hogs, against 310,000 in 1895.

* Peyton R. Chandler, the first president of the Union Stock Yards Co., Chicago, is dead.

* Cattle yards to accommodate more than five thousand head are to be constructed on the main line of the Boston & Maine Railroad at Mishawam, near Woburn. The yards are to be built for Nelson, Morris & Co., of Chicago, and will cover ten acres or more. The deal has been working for some time; but as the Morris people's terms were unsatisfactory to the Boston & Maine road, the contracts were not signed until recently. The lumber has been purchased and work will be begun at once. According to United States laws the cattle must be given twenty-four hours' rest before shipping to foreign ports. Experts say that the cattle can be brought more easily to the docks from Woburn than from Watertown or Brighton.

THE LUXURY OF TRAVEL.

The man who has never been west over the picturesque New York Central has a sensation in store for him that he cannot afford to forego. Nature has done almost for him in what he sees, as mechanical skill has done in placing him in a magnificent hotel in wheels, and whirling him towards his destination on the very wings of the wind.—Hardware.***

NEPONSET RED ROPE INSULATING PAPER
FOR LINING
Cold Storage Houses **Refrigerators.**
Cars, Etc.



WATERPROOF, AIR TIGHT, CLEAN, A HIGH NON-CONDUCTOR
AND ABSOLUTELY ODORLESS.

NUMBER OF HOGS PACKED AT CINCINNATI EACH YEAR FOR THE LAST 25 YEARS.

Secretary Murray, of the Pork Packers' and Provision Dealers' Association, of Cincinnati, reports that the receipts and shipments of hog product at Cincinnati for two years ending Nov. 1, compare as follows:

	Received.		Shipped.	
	1896.	1895.	1896.	1895.
Meats, lbs.	91,520,000	92,096,000	111,176,000	104,654,000
Lard, lbs.	157,200	100,400	210,600	144,900
Pork, lbs.	8,600	5,900	7,700	5,600

The following shows the number of hogs packed at Cincinnati each winter and summer season and for twelve months ending Nov. 1, for twenty-five years:

	Winter.	Summer.	Total.
1872.....	630,000	94,000	724,000
1873.....	626,000	88,000	714,000
1874.....	581,000	136,000	717,000
1875.....	560,000	119,000	679,000
1876.....	563,000	121,000	684,000
1877.....	524,000	134,000	658,000
1878.....	632,000	154,000	786,000
1879.....	624,000	150,000	774,000
1880.....	535,000	110,000	645,000
1881.....	522,000	124,000	646,000
1882.....	385,000	82,000	467,000
1883.....	425,000	124,000	549,000
1884.....	365,000	127,000	492,000
1885.....	385,000	135,000	520,000
1886.....	323,000	148,000	471,000
1887.....	331,000	166,000	497,000
1888.....	310,000	140,000	450,000
1889.....	300,000	193,000	493,000
1890.....	271,000	223,000	494,000
1891.....	301,000	196,000	497,000
1892.....	288,000	252,000	540,000
1893.....	204,000	193,000	397,000
1894.....	190,000	271,000	461,000
1895.....	266,000	310,000	576,000
1896.....	250,000	385,000	635,000

The production of lard in the United States for the year just ended has been equalled in but a single instance, in 1890. The exports of lard for the year have been of larger volume than ever before.

MANUFACTURE AND SALES OF OLEO HAVE DECREASED.

For the four months of 1896 beginning with July, the total number of fifty pound tubs of

oleo manufactured in Chicago was 150,000, and in 1895, 180,870. The number of licenses for October, 1896, compared with 1895, was 101 to 210. For the four months of 1895 the number of licenses taken out in Chicago was 819; for the four months of the present year, 601. For the month of October the decrease in the number of stamps sold was sufficient to show a decrease of 942,790 pounds for the month of October, 1896, as compared with October, 1895.

KENT LUBRICATING COMPOUND.

The question of lubrication, to steam plant operators, is a most important one. Perhaps nothing is so annoying to the engineer as defective lubricants, and we regret to say the market is flooded with cheap and dangerous compounds. The average engineer looks with suspicion upon new lubricants and he must be well satisfied to its merits before accepting it for permanent use. The Kent lubricating compound is meeting with uniform favor wherever introduced. To the thousands of steam plants, the proprietors of which we are please to number among our subscribers, we take pleasure in directing attention to the merits of this excellent lubricant. A lubricant which requires 350° of heat to render it fluid is an extraordinary material. For heavy or light shafting and bearings of all sizes the Kent Lubricating Compound is a very superior composition. Write to the New York & New Jersey Lubricant Co., 30 Cortlandt street, New York.***

GOVERNOR APPOINTS MR. PHIPPS.

Hon. Charles L. Phipps, recently appointed by Governor Morton, of New York, on the Board of Mediation and Arbitration, has just been elected County Treasurer of Queen's County. We are pleased to make this announcement, as Mr. Phipps is the treasurer of the New Jersey Foundry and Machine Co., whose advertisement appears in our columns. The New Jersey Foundry and Machine Co., by the way, do quite an extensive business in the fitting up of first-class tracking jobs.***

ALL CURED MEATS, SAUSAGES AND BOILED MEATS**ROLL PARCHMENT PAPER**

Is the attractive feature on the counters of many stores, being used by the leading butchers

ON OUR PREMISES

We have a complete printing department for printing Parchment Paper.

ESTIMATES PROMPTLY FURNISHED.

CUTTER FREE WITH FIRST ORDER.

WE MANUFACTURE ALL THE PAPER WE SELL.

Paterson Parchment Paper Co.

OFFICE AND WORKS, PASSAIC, N. J.

Should be wrapped in a sheet of Printed Parchment Paper. Leading packers are using our Parchment Paper for wrapping their meats extensively.

THE
DE LA VERGNE REFRIGERATING MACHINE CO.
Manufacturers of
Refrigerating AND Ice-Making Machines
AND ANHYDROUS AMMONIA.

Read the following AWARD from the DIPLOMA received by us from THE WORLD'S COLUMBIAN EXPOSITION.

AWARD.

For production of Anhydrous Ammonia Compressors for refrigerating purposes, of First-Class Efficiency, Durability, Design, Workmanship and Finish, having a pair of vertical double-acting compressing cylinders, operating from two cranks driven by a horizontal double-acting steam engine, occupying a minimum floor space for given capacity, with automatic devices for circulating oil through the compressing cylinders for the purpose of securing perfect displacement of gas, of absorbing the heat of compression so as to require no water-jackets.

For first-class design of the ammonia condensing apparatus, involving the use of a special line of pipe-fittings and valves, of superior strength and completeness; for an excellent arrangement of cooling-water distributing surfaces and liquid ammonia collecting pipes, and complete provision for conveniently operating, cleaning and repairing all parts of the system so as to secure steady action under the most economical conditions.

For successful application of the principles of artificial refrigeration, by the direct expansion of ammonia.

For a complete system of constructing Refrigerating Plants and manufacturing specially designed appliances therefor, all of which are undoubtedly the most elaborate and complete fittings for this purpose yet introduced. The exhibitors adhere to the practice of making all pipe joints with screw threads, sealed with a special solder, which is undoubtedly the most secure method of making joints in ammonia work.

Approved.—W. A. JAMES,
Vice-President Departmental Com.

(Signed) J. E. DENTON,
Individual Judge.

Approved.—JOHN BOYD THACHER,
N. H. Chairman Executive
Committee on Awards.

WE BUILD THE MOST SUBSTANTIAL AND DURABLE MACHINES AND PLANTS FOR REFRIGERATION AND ICE-MAKING MADE IN THE WORLD. THE RECORD MADE BY OUR PLANTS IN OPERATION IS A PROOF OF THIS FACT.

WE MAKE NO GUARANTEES WE CANNOT FULFILL.

MAIN OFFICE AND WORKS: FOOT OF EAST 136TH STREET, NEW YORK.

BRANCH OFFICES.

PHILADELPHIA, Pa., Girard Building, cor. Broad and Chestnut Sts.
ST. LOUIS, Mo., 8th St. and Park Ave.
CHICAGO, Ill., 507-508 Security Building, Madison St. and 5th Ave.

NEW ORLEANS, La., 712 Hennen Building, Cor. Carondelet and Common Sts.
CINCINNATI, O., 5 and 7 Corwine St.
BOSTON, Mass., Tremont Building.

ALL BARRELS AND BOXES
OF THE
GENUINE PRESERVATIVE
BEAR THIS TRADE MARK.

ESTABLISHED 1877.



USE ONLY THE
GENUINE PRESERVATIVE.
BEWARE OF IMITATIONS WHICH ARE CLAIMED
TO BE
"JUST AS GOOD."

TAKE
NO
OTHER!

PRESERVATIVE

THERE IS
NOTHING AS GOOD
AS
PRESERVATIVE!

ORIGINAL PRESERVATIVE,
THE ONLY

Healthful and Reliable Preserving Powder for Meats of All Kinds.

OUR BRANDS:

"A" for Pork and Liver Sausages, Chopped Meat, Fresh Meats, Game, Poultry, Sweetbreads, etc.

"B" for Bologna, Frankfurter and All Kinds of Smoked Sausages.

"C" for curing, corning and preserving Pork, Beef, Tongues, etc., and to prevent Flies and Skippers attacking Meats.

MADE ONLY BY

THE PRESERVATIVE M'FG CO.,

12 CEDAR STREET, NEW YORK.
183 ILLINOIS STREET, CHICAGO.
154 NEW MONTGOMERY ST., SAN FRANCISCO.

BUSINESS CHANGES.

George W. Grafflin, of Grafflin & Son, manufacturers of fertilizers, Baltimore, Md., is dead.

Henry Rathje, groceries and provisions, Baltimore, Md., has given a real estate mortgage of \$1,000.

Daniel W. Baker, peddler of provisions, New Bedford, Mass., has mortgaged real estate for \$2,000.

A. S. Baker & Co., groceries and provisions, Worcester, Mass., have mortgaged their stock, teams, fixtures, etc., for \$500.

Joe. Potzowski, meats, Detroit, Mich., has sold out.

James Broffer, meat, Grand Rapids, Mich., has been succeeded by John Newitt.

Jacob Niffenegger has sold his meat market, etc., in South Haven, Mich., to Wm. Jacobs.

Osterhout & Son, butchers, Middletown, N. Y., have gone out of business.

Sydney M. Colgate and Austen Colgate have been admitted into the firm of Gilbert Colgate & Co., soap and candles, New York City.

Judgments amounting to \$2,000 have been secured against John Lane, market, Auburn, N. Y.

In Toledo, O., Walter Reppas, meat, has given a deed for \$1,050.

J. P. Hanna has retired from the firm of J. P. Hanna & Co., pork packers, Pittsburg, Pa., and the firm is now styled D. E. Francis & Co.

A. M. Keeney, meat, Keeneyville, Pa., has given mortgages of \$1,300 and \$300 respectively.

A judgment of \$303 has been given against Geo. H. Lonabaugh, butcher, Wilkinsburg, Pa.

George Beaudet et al. of Geo. Beaudet & Co., market, Woonsocket, R. I., has given a real estate deed.

Forsch & Seitter, butchers, Wheeling, W. Va., have dissolved partnership.

F. E. Meier, meat market, Milwaukee, Wis., has given a real estate mortgage of \$5,000.

F. A. Bissell has purchased the market of Frank Mace in Bellows Falls, Vt.

The firm of Grunewald & Regnault, meat dealers, Easthampton, Mass., is dissolved. The ex-partners, Albert Grunewald and Louis Regnault, will each go in business for himself in Easthampton.

T. A. Nottage has opened a market in Holiston, Mass.

It is reported that N. W. Packard will open a meat and provision store in Oakham, Mass.

L. S. Burgess, Jr., of 660 Warren avenue, Boston, Mass., has added a meat market to his grocery business.

C. S. Fox has opened a market on Ferry street, in Essex, Conn.

ICE AND REFRIGERATION.

Those interested in this subject should not forget to look also at Packers' and Slaughterers' Notes, and at other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our **WANT AND FOR SALE COLUMN** on page 46.

—George Gans, butcher, of Lancaster, Pa., is in the market for an ice machine.

—One side of the cold storage building being erected in Syracuse, N. Y., fell and buried Levi Franklin, an employee, in the debris. He will recover.

—The Donaldsville (La.) Ice Company (Ltd.) has re-elected the following officers: S. Goette, Jr., president and manager; Dr. John D. Hanson, vice-president, and James Fostier, secretary and treasurer.

—The prospect of good times gave the directors of the Consumers' Ice Company, Chester, Pa., nerve enough to declare a six per cent. dividend for the year. The company is also seriously talking of enlarging its plant to twice its present size. The new machinery will consist of a boiler, engine and ice machine. The present office will have to be torn down and the new plant will be added to the present one, costing about \$40,000.

—A subscription list has been put into circulation in Petaluma, Cal., to raise a bonus with which to purchase a lot for the proposed cold storage warehouse and coal bunkers, and it is understood that work will be commenced as soon as this is assured.

—Secretary of State Lesueur, of Missouri, has granted a certificate of incorporation to the Moberly Artificial Ice Company, of Moberly. Capital, \$20,000. Incorporators—J. B. Cotty, L. W. Kelley, M. F. Crawford and J. A. Tagart.

—A 25-ton Boyle ice machine with a Corliss engine is advertised for sale on the want page.

—There is a probability that in Plainfield, N. J., a stock company may be formed to put an ice-making plant in the Jersey Cycle Academy and establish a skating rink there in the winter, and to use the plant for the manufacture of ice for commercial purposes in the summer. It is proposed to make the capital stock \$35,000. Joseph L. Wiseman is at the head of the scheme, and Stewart St. Clair, of New York, has agreed, it is said, to furnish 25 per cent. of the capital stock, provided the rest of the money is raised by local capitalists.

ANNOUNCEMENT.

Mr. A. Gray Kilbourn, Philadelphia, will continue the business of his father, J. K. Kilbourn, manufacturer of ice-making and refrigerating machines, at 935 Drexel Building, Mr. J. K. Kilbourn having retired from the firm.***

GLUE TEST.

We make a specialty of making glue tests and of analyzing tank water. Please consult us. The National Provisioner Analytical Laboratory. 284 Pearl street, New York.



For OVER TEN YEARS THE STANDARD!

P. & B. INSULATING PAPERS will give better satisfaction and will prove more durable and effective than any others made.

They are free from tar and are absolutely airtight, odorless, and impervious to moisture.

P. & B. PAINT cannot be equalled as a preservative for Coils, Vats, Brine Pipes, Iron or Wood no matter how exposed.

WRITE FOR INFORMATION AND SAMPLES.

The Standard Paint Co.

SOLE MANUFACTURERS,
81-83 JOHN STREET, NEW YORK.

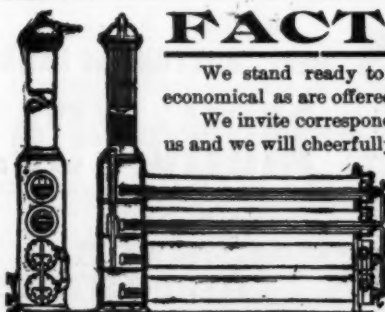
CHICAGO:
180 Fifth Avenue.

BOSTON:
J. A. & W. Bird & Co.
117-119 Milk Street.

PHILADELPHIA:
Standard Supply and
Equipment Co., 22 S.
Fifteenth Street.

**NOTICE.**

The annual subscription to this paper is \$4 domestic and \$5 foreign, postpaid.



GENERATOR—Pat. Jan. 24, 1888, and Sept. 23, 1890.

Write for Prices.

FACTS.

All Ice Manufacturers know that there are inferior Ice and Refrigerating Machines built.

We stand ready to challenge any builders to show that our machines are as efficient and economical as are offered in the market.

We invite correspondence. Should any contemplative purchasers wish any information, write us and we will cheerfully give it our prompt attention and send illustrated catalogue.

SULZER-VOGT MACHINE CO.

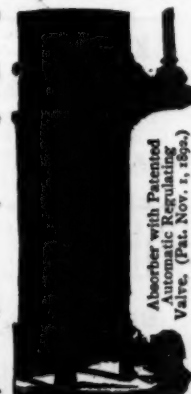
LOUISVILLE,
KY.

Builders of Latest Improved

Ice and Refrigerating Machines.

ATMOSPHERIC CONDENSERS, COILS, TANKS

FURNISHED FOR ANY MACHINES.



Absorber with Patented
Automatic Regulating
Valve. (Pat. Nov. 1, 1894.)

EASTMANS COMPANY

OF NEW YORK.

CITY DRESSED BEEF.

Salesroom and Abattoir:

59th STREET, 11th AND 12th AVENUES,

NEW YORK.

Telephone Call, 896-38th St.

Main Office Telephone Call, 641-38th St.

TELEPHONE NO. 87-39TH STREET.

JOSEPH STERN & SON

(Successors to STERN & METZGER),

WHOLESALE BUTCHERSABATTOIRS, 616, 618 & 620 W. 40th St.
SALESDROOMS, 617, 619 & 621 W. 39th St., N. Y.BEST QUALITY OF CITY DRESSED REFRIGERATED
BEEF ALWAYS ON HAND.**BY MAIL**
\$1.00THE
BEST BOOK
ON
ICE MAKING
and COOLING.

REDWOOD'S AMMONIA REFRIGERATION.

Spon & Chamberlain,8 CORTLANDT STREET,
NEW YORK.**GUSTAV GOLDMAN**

MANUFACTURER AND DEALER IN

ALL CELEBRATED BRANDS OF

BOLOGNAS AND SAUSAGES

Packer of Tongues, Smoked and Pickled Beef.

No. 314 EAST HOUSTON ST., NEW YORK

KAUFMAN & STRAUSS,
WHOLESALE BUTCHERS

Slaughter House, 622 & 624 W. 40th Street.

Salesroom, 623 & 625 W. 39th Street.

Office, 623 West 39th St., NEW YORK.

TELEPHONE 1430-38TH ST.

William Ottmann & Co.,

BUTCHERS, PACKERS AND EXPORTERS,

FULTON MARKET,

SCHWARZSCHILD & SULZBERGER CO.,

NEW YORK ABATTOIRS: KANSAS CITY.

Packers and Curers of Choicest Grades of

Beef, Veal, Mutton and Pork,

ALL PACKING HOUSE PRODUCTS.

MAIN OFFICES:
45th St. & First Ave.

NEW YORK CITY.

MAIN BRANCH AND ABATTOIR:

1st Ave., 45th & 46th Sts. & East River.

DEPOTS: 518 West Street; Gansevoort Market; Tompkins Market, Third Ave. and 7th St.;
First Avenue and 102d Street; Twelfth Avenue and 132d Street.**BROOKLYN:**

DEPOTS: Pacific and 5th Avenues; Wallabout Market.

Also Branches and Depots in all of the Principal Cities of the United States.

MANHATTAN BEEF CO.,1, 2 and 3 MANHATTAN MARKET,
West 35th Street, NEW YORK.

BRANCH HOUSES.

HUDSON RIVER BEEF CO.,
Ltd., 133d St. and 12th
Ave., New York.WHEELER, BRADSTREET
& CO., 100 and 102 Ganse-
voort St., New York.EAST RIVER BEEF CO., Ltd.
Long Island City, N. Y.Consignments Solicited.
POULTRY AND COUNTRY VEAL

A SPECIALTY.

THE HAMMOND COMPANY• CHOICE
Chicago Dressed Beef,
Veal, Mutton, Lamb,
Hogs, Provisions.

BRANCH HOUSES.

ATLANTIC BEEF CO., Ltd.,
174 and 176 Fort Greene
Place, Brooklyn, N. Y.PACIFIC BEEF CO., 106 N.
6th St., Brooklyn, E. D.HOBOKEN BEEF CO., Ho-
boken, N. J.**N. H. Snyder,**

SHIPPER AND DEALER IN

Standard Provisions
and Meat Specialties,

231 Fulton Street, NEW YORK.

Telephone Call:
3060 Cortlandt.Tongues, Tripe and Figs' Feet in Vinegar, 25, 50 and 100-lb. Kegs. Hotels and the Trade
solicited. Orders by Telegraph or Letter promptly attended to.TELEPHONE 575A,
38TH STREET.**J. M. & P. SCANLAN,**

108 BROOKLYN.

WHOLESALE DEALERS IN

MUTTON, LAMB AND VEAL.

Main Office and Abattoir, 613 to 619 West 40th Street, New York.

Branches at: West Washington Market, New York, 100 Fort Green Place, Brooklyn.

ALSO DEALERS IN

PULLED WOOLS, PICKLED SHEEP AND LAMB PELTS.

THE HARLEM PACKING HOUSE**RICHARD WEBBER,**

OFFICE AND REFRIGERATED SALESDROOMS:

120th Street and Third Avenue,

NEW YORK.

SLAUGHTERER
OF AND DEALER IN
CATTLE, HOGS
AND POULTRY.
PORK AND BEEF
PACKER.
LARD REFINER.
CURED
OF FINE PROVISIONS
FOR HOME AND
EXPORT TRADE.

ABATTOIRS, FOOT OF W. 39th ST., NEW YORK

ST. JOSEPH, MO. SIOUX CITY, IA.

The Consumers

WHOLESALE DEALERS IN

VEAL, MUTTON and LAMB.

ABATTOIR AND OFFICES:
776 FIRST AVENUE, NEW YORK.
TELEPHONE CALL: 935 38th ST.**Veal and Mutton Co.****G. & D. ISAACS,**Abattoir and Salesroom:
240, 242, 244, 246, 248
Hudson Ave.
BROOKLYN, N. Y.**WHOLESALE
BUTCHERS**

MANUFACTURERS OF

DUESETT BRAND EXTRA OLEO OIL, Stearine, etc.

William Ottmann & Co.,
BUTCHERS, PACKERS AND EXPORTERS,
FULTON MARKET,
NEW YORK.

The New York Retail Butchers' Mutual Protective Association

MEETINGS HELD EVERY SECOND AND FOURTH MON-
DAY OF EACH MONTH. MEETING ROOMS: RETAIL
GROCERS' HALL, 138 & 140 EAST 57TH STREET.

... OFFICERS ...

ARTHUR BLOCH, President, 791 Park Ave.
WM. G. WAGNER, 1st Vice-Pres., 573 First Ave.
GEO. H. SHAFFER, 2d Vice-Pres., 474 Fourth Ave.
FELIX HAAS, Treasurer, Central Market.
OTTO GEISS, Financial Secretary, 508 West 51st St.
CHARLES YOUNG, Recording Sec., 873 Park Ave.
GEO. WILLI, Corresponding Sec., 710 Second Ave.
PATRICK MAY, Serg't-at-Arms, 533 W. 39th Street.

OFFICE, 873 PARK AVE.

NEW YORK.

NEWS COMMITTEE:

EDWARD DAVIES, West Washington Market.
FELIX HAAS, Central Market.
HERMAN BROCKNER.

ANSWERS TO CORRESPONDENTS.

We gladly and as promptly as possible answer all reasonable questions in this column sent to us by our SUBSCRIBERS OR ADVERTISERS.

Answers desired by mail should be accompanied by a stamped, addressed envelope.

Persons desiring not to be known as making an inquiry should add a *nom de plume* to their questions. By so doing they will avoid identification in this column. The correct name and address should, however, for the publisher's satisfaction, accompany each request for information.

S. P. CO., PORTLAND.—To render lard put under pressure of 30 pounds for six hours, using little or no water. Have stock as clean and sweet as possible. No. 2—To manufacture lard oil to stand 42° test, stock must be about 44° and press room about 52°. Put in canvas and place in press, plate between each layer, and subject to steady pressure until all the oil has been tried out.

ENQUIRER, TORONTO.—"Retsof" salt makes an excellent pickle, so also does Michigan Ashton, or any salt worthy of mention.

A good formula for curing (sweet pickle process) is, to each 110 lb meats, 1½ lb good sugar, 4 oz. saltpetre, and cover with 70° pickle in which has been thoroughly dissolved to each gallon 2 oz. of granulated boracic acid. Rub each piece of meat with above mixture of salt and saltpetre as placed in receptacle. Turn as often as possible the first twenty days.

P. B. L., MAINE.—Where parties agree to prosecute a suit to recover land and to take as their pay a part of the land recovered, and during the pendency of the suit a receiver is appointed for the land and rents are collected, in case of a recovery in the suit, the parties agreeing to prosecute the suit cannot claim any portion of the rents so collected. Rector v. Compton. Sup. Ct. Ark. 36 S. W. Rep. 898.

H. P. A., BUFFALO, N. Y.—An insurance agent, who had authority to cancel a policy upon giving five days' notice to the insured, wrote to the insured asking for a return of the policy for cancellation, but at the same time promised to insure the property in another company. The policy was returned as asked for, but it was not cancelled by the agent, who took no further action in the matter, and did not insure the property in another company. No notice was sent the insured and the return premium was not tendered to them. Held, That the policy continue in force. Aetna Ins. Co. v. Rosenberg. Sup. Ct. Ark. 36 S. W. Rep. 908.

NEW YORK CITY AND VICINITY.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 46.

** The United Dressed Beef Co. held its annual stockholders' meeting Tuesday evening, when a new board of nine directors was elected, consisting of eight of last year's directors and Jacob London in place of David Adelsdorfer, who retired. The financial secretary presented his report for the last ten months, which was very satisfactory. The business dispensed with, sociability and good feeling prevailed, and President Isaac Blumenthal invited all present to the banquet room where he had a surprise in store for the assembled guests in the way of a beef-steak (good U. D. beefsteak) dinner. One of those who was at the festive board said: "We swam in wine and beer and jollification, and toasts flowed like the wine." It was late, or perhaps, more correctly speaking, early, when the party broke up.

** The Eastman's Company, in West Fifty-ninth street, recently added a new feature to its business—that of slaughtering sheep for city demand. They started killing about 250 to 300 a week and they are now slaughtering about 800 a week. Things look very flourishing at this big plant.

** It is reported that John Wanamaker, the successor of Hilton, Hughes & Co., Broadway and Ninth street, will follow the lead of the Siegel-Cooper Co., and sell meat.

** Ex-Alderman Robert G. Nooney, of this city, well known among the butchers, made an interesting address last week before the Butchers and Grocers' Protective Association, in Springfield, Mass. He waged warfare on department stores, saying that meat is as much out of place in a dry goods store as a silk umbrella would be in a butcher shop.

** Mr. N. Wolfskehl, who is doing a successful business in casings, and whose advertisement can be found in another column, was in Buffalo and Scranton this week.

** Jacob Plant, of Plant & Stretch, well known to the readers of these columns as spice dealers, is at present in Canada.

** Detectives Prunty and Quinlan, of the East Fifty-first street station have unearthed a scheme by which the United Dressed Beef Company has lost several thousands of dollars. August Marcus, of 216 East Forty-fifth street, an assistant foreman, and Chas. Neiss, of 345 East Forty-seventh street, a carter, have been arrested, and other arrests are expected to follow. Several outside butchers, as well as employees, are said to be incriminated. The gang has been stealing fat and suet, and selling it to the butchers. Early each morning Neiss was accustomed to take from the storehouse two barrels of

fat or suet. He disposed of one of them for \$7, which he divided with Marcus. The other barrel he brought back as having collected it, and charged for it accordingly. Both men admitted their guilt and were held in \$200 bail each.

TRAVEL UP TO DATE.

The New York Central offers unequal advantages for through travel between the east and west. It is the only Trunk Line entering the City of New York; its Grand Central Station in store for him that he cannot afford to the midst of the hotel, residence and theatre district; it is the only line protected its entire length by Block Signals; it has the fastest trains in the world; the finest equipment scenery including the Hudson River, Mohawk Valley and Niagara Falls.***

STRONG, HANDSOME, PRACTICAL.

Cash and..... Charge Register

For \$15.00; the price of a
Baxter Register.

Gives results worth many dollars. Watches money coming in; money going out. Gives customer an itemized bill; a duplicate for cashier or spindle; 3d record retained under lock and key.

SEND FOR CATALOGUE

Baxter Bros. & Co.

340 Dearborn St., CHICAGO

BEWARE OF INFRINGEMENTS

KEEP UP WITH THE TIMES AND USE

GEBHARD'S BERLINER KONSERVIRUNGS SALZE

B. HELLER & CO., GENERAL AGENTS FOR UNITED STATES
CHICAGO OFFICE & WAREHOUSE. CHICAGO, U.S.A. AND CANADA
249, 251, 253, JEFFERSON STREET.

SEND FOR CATALOGUE AND PRICE LIST.

•• Established 1868 ••

**S. OPPENHEIMER
& CO.**

Manufacturers and
.. Importers of

**Sausage
Casings**

OF EVERY DESCRIPTION.

Importers and Dealers in

SPICES.

**Sausage
Makers'
Specialties.**

ALL KINDS OF

MACHINERY

96 and 98 Pearl Street

NEW YORK

449 Wabash Avenue

CHICAGO

47 to 53 St. John Street

LONDON

15 Katharinen Strasse

HAMBURG

Clermont Terrace

WELLINGTON

BERTH LEVI & CO.,

32 PEARL STREET, NEW YORK.

19 MICHIGAN AVENUE, CHICAGO.

HOG AND BEEF CASINGS.

Importers of English, Russian and New Zealand Sheep Casings.

BEST GERMAN POTATO FLOUR.

FOOD PRESERVATIVE (DRY ANTISEPTIC).

TELEPHONE No. 1251 BROAD...

BECHSTEIN & CO.

SAUSAGE CASINGS

New York: 12 Coenties Slip.

Chicago: 73 Market Street.

London: 118 Great Suffolk Street.

Illinois Casing Company,

Cleaners and Importers of

Sausage Casings,

102 Michigan Street, Chicago.

VORNBERGER, HIRSCH & CO.

(Limited),

MANUFACTURERS AND CLEANERS OF PRIMEST QUALITY

610 West 39th Street, NEW YORK.

5 Cowcross St., LONDON. 48 Market St., GLASGOW.

19 St. Andrew St., LIVERPOOL.

Established throughout Great Britain and Germany.

ONE QUALITY ONLY.

**Sheep Casings,
Cattle Cuts,
Hog Casings.**

"THE BEST."

CASINGS

WEIL'S CASING COMPANY,

626-630 HOWARD ST., BUFFALO, N. Y.

Cleaner of and Dealer in all kinds of **SAUSAGE CASINGS.**

Best Spices, Saltpetre and Potato Flour.

JOSEPH BACHARACH, SAUSAGES.

347 GREENWICH ST., NEW YORK.

Established 1876.

Telephone, 586 Franklin.

Importer and Exporter of
GERMAN, FRENCH, ITALIAN AND
FINE WESTERN.

SPICES

PLAUT & STRETCH,

Importers and Jobbers of SPICES,

"PURITY SPICE MILLS,"

50 Pearl Street, NEW YORK.

Supplies for the Packing, Provision and

Sausage Making Trades a specialty.

IF QUOTATIONS AND SAMPLES SENT TO ANY ADDRESS.

N. WOLFSKEHL, SAUSAGE CASINGS,

134 PEARL STREET, NEW YORK.

ESTABLISHED 1874.

M. ZIMMERMANN,

MANUFACTURER AND DEALER IN ALL KINDS OF

Kosher Provisions

LARGEST PLACE OF ITS KIND IN THIS CITY.

318-320 E. Houston St.,

NEW YORK.

SALTPETRE KNOWLES BROS.
181 Pearl Street, New York.
REFINED.
CRYSTALS, GRANULATED AND POWDERED.

ROTTERDAM OLEO REPORT.

The following sales were cabled for week ending November 21, 1896:

- Nov. 9. United (50/100 tcs.) sold at 41 florins.
- " 9. Morris Extra (150/300 tcs.) sold at 40 florins.
- " 10. Harrison (200/300 tcs.) sold at 40 florins.
- " 13. Harrison (33/50 tcs.) sold at 41 florins.
- " 14. United sold at 40 florins.
- " 17. Harrison sold at 40 florins.
- " 17. Armour Extra sold at 38 florins.
- " 18. Harrison sold at 40 florins.
- " 19. Nelson Morris Extra sold at 38 florins.
- " 19. Monarch sold at 36 florins.
- " 19. Goldband sold at 36 florins.

Sales for the week, 2,300 tcs. spot and 600 to arrive.

Nov. 14. stock in first hands, 4,000 tcs.

Stock afloat, Nov. 14.—Per stmr. Amsterdam from New York, October 31, due November 14, 856 tcs.; per stmr. Spaarndam from New York November 7, due November 19, 1,454 tcs.; per stmr. Pataspeco, from Balto. November 8, due November 29, 620 tcs.; per stmr. Veendam from New York, November 14, due November 26, 2,412 tcs. Total, 5,349 tcs.

Nov. 14. London Cable Reports: Butter—Market weak. Margarine—Market quiet and steady.

Imports into Great Britain for week ending Nov. 7, 1896: Butter, 54,153 cwt.; margarine, 22,094 cwt. 1896—butter, 57,000 cwt.; margarine, 19,000 cwt.

Exports of Oleo Oil to Rotterdam.

Nov. 14. Per S. S. Veendam.—United, 190; Eastman, 250; Martin, 214; S. & S., N. Y., 331; S. & S., K. C., 264; Swift, 520; Morris, 600.

Nov. 16. Per S. S. Venango.—Hammond, 195; Union Stock Yards, 100; Armour, 500.

Neutral Lard.

Nov. 14. Per S. S. Veendam.—Swift, 60; Morris, 60.

Nov. 16. Per S. S. Venango.—Kingsan & Co., 150; Chicago Packing, 68; Armour, 100; Swift, 350.

LATER.—No additional sales or exports up to late yesterday afternoon, Nov. 20.

EASTERN PACKERS.

Eastern packers will do well to put themselves in communication with Messrs. Nute & Johnston, live stock commission buyers of the New York Central Live Stock Yards, East Buffalo, N. Y. Both gentlemen are well known and have years of experience. Mr. E. S. Nute having been in the live stock business all his life, partly in St. Louis and partly in the New England States. Mr. Johnston is no stranger to the trade and knows his business well. For two years he has been the hog buyer for Adam Finner, Buffalo, and there is no packer or slaughterer whom his reputation as a shrewd buyer and judge of hogs has not reached. The eastern packers can safely trust their interests to this young and enterprising firm.***

In another column will be found the advertisement of Mr. Adam Zimmer, live stock commission buyer, of Buffalo, N. Y. Mr. Zimmer has been in the business for many years and his name is familiar to the trade. He does a strictly commission business, purchasing on orders only and consequently will not handle any sales stock under any consideration. His sole interest is to serve the party well for whom he buys.***

Mr. Walter Milsom, whose card can be found in another column, is no novice to the trade. For more than thirty years he has been at the Buffalo stock yards and his excellent judgment of hogs cannot well be gainsaid. He is a good buyer and well worthy of the packers' patronage.***

—A \$30,000 addition for the manufacture of glue will be added to the plant of the Schwarzschild & Sulzberger Company, of Kansas City, Mo. The building when completed will be a three-story structure, 200 feet square, and will employ 75 men.

KANSAS CITY LETTER.

(Continued from page 21.)

Receipts of hogs Chicago, Omaha, St. Louis and Kansas city for past week	302,900
Same cities corresponding week 1895	347,900
" " " " 1894	440,400
" " " " 1893	225,500
" " " " 1892	251,000

The Kansas City packers were very ready to take all the offerings of the past week, and, giving Mexico 14 cars, they were very niggardly to other outsiders, the favored city, Marshaltown, taking 1 car, in all 1,713 hogs shipped, against 3,134 for corresponding week in 1895. The quality of hogs for the week good, smooth, even, good hogs, but having a tendency for lower values during the latter part of the week. What one may call native pigs sold from \$3 to \$3.10, but Southwestern pigs were sold at \$2.85 to \$2.95. Owing to New Mexico demand hogs over 300 lb were very even in value, \$3.25 to \$3.30. Mixed packing to prime medium, \$3.25 to \$3.37½. Monday started out tops \$3.47½, bulk \$3.30 to \$3.45, on Tuesday tops losing a nickel, on Wednesday half a nickel more, and finally ending up the week, tops, \$3.40; bulk, \$3.25 to \$3.35, on the whole a satisfactory price. Not so much talk of cholera as in the weeks gone by; if it were growing more prevalent we would quickly hear of it. The corn crop is a failure in Mexico. The government has taken off the duty, therefore, large shipments to our sister across the Rio Grande. India, too, comes in for her share. They will in future try and make it a regular crop in that land of snakes, and this demand makes the Western farmer feel good, as there is quite an amount to spare besides fattening every young hog in the country. The National Provisioner several months ago called attention to the tendency of Western products going to Europe via the Southern ports, and now the matter in the past week was taken up by the leading New York and Boston papers. They see the handwriting on the wall; the inevitable is bound to come. When the Stuyvesant docks were opened in New Orleans last week thousands of cases of canned meats, brawn, etc., of Kansas City manufacture, were sent across the water to Europe.

Receipts of sheep in Kansas City past week	34,026
" " " " corresponding week 1895	16,386
" " " " 1894	13,011
" " " " 1893	8,476
Receipts in Chicago, St. Louis, Omaha and Kansas City for past week	127,800
Receipts same cities corresponding week 1895	83,100
" " " " 1894	120,600
" " " " 1893	68,700

A record-breaking week for Kansas City in receipts of sheep, and our packers stood up nobly to the scratch, purchasing more sheep than ever before in one single week. The States of California, Utah, New Mexico and Texas were well represented in the receipts. Native lambs in good request, selling at \$4.50; native sheep at \$3.50; Alfalfa fed lambs sold \$4.50; young weathers at \$3.25, and ewes at \$2.65; Utah lambs, \$3.85, and muttons at \$3.17½; some mixed lots Utah \$2.85 to \$3; mixed lots Colorado \$2.70; grass fed \$2.80, and corn fed \$3.15. Quite a large amount of Utah young feeders sold \$2.75. A farmer with brains can always turn a good penny. A Kansas man—to be sure—purchased sixty days ago about 800 head of Utah yearlings, sent them to market last week, they averaged 97 lb, sold at \$3.15, and his corn netted him 30c. per bushel in the field, without the cost of cribbing. Take it all round, the farmers are better off as a class than any other, except the millionaires.

We are always glad to greet a man who "loveth and nourisheth our city," and Kansas City was pleased to see this week the genial face of Mr. Samuel Weil, secretary of the Schwarzschild & Sulzberger Packing Company, who, though he liveth in New York, has more than a kindly feeling for us Westerners. He brought plans and specifications for a large glue house, a new departure for Kansas City packing houses, for while the Armour packing house in this city is the very largest packing plant in the world—the whole wide world, mind you—still, all their scraps fit for making glue are sent to the Chicago house. Mr. Weil is determined to have his glue plant the most perfect one of its kind in the country. When finished it will give additional labor to 100 men. The building is to be rushed, ready for glue making two months from date. Come again, Mr. Weil, always glad to see you, anyhow; much more so when you bring such boons in your valise. It is also stated that another large building is to be erected, so that the capacity of killing beds, cooler rooms, and hide cellars will just be doubled. They are now cramped for room, and work on the new structure is to commence shortly. They have just added and completed larger offices and retail delivery department.

Supplementary Reports.

PROVISIONS AND LARD

Thursday's markets were higher at the opening, on smaller receipts of hogs at all points west and higher prices for the same, with lighter offerings and less free selling by the packers, to advance still more with wheat, until afternoon, when wheat broke and dragged hog products back, to close 12½c. off on pork; 7½c. on ribs and 2½c. on lard for the day, the latter being the staidier, as it had been the weakest thing on the list all the week. Trading was only fairly active and scattered, however, and the close was especially weak on selling by packers. Spot trade at New York improved a little in lard, 250 tcs. having been taken late Wednesday for the U. K. at 4.65, with 250 more reported on Thursday for local refining; also 200 of city at 3½c.; 260 pork at unchanged prices; 500 city hams at 4c.; 500 do. shoulders at 8½c.; 10,000 lbs. 12-lb. rib bellies at 5c., with 14-lb. clear do. at 5c. asked and no demand, though job lots of all brought ½c. more to local trade. Hogs at New York were partially ½c. better and generally firmer at the West.

Friday's markets were up 12½c. on pork, after opening 7½c. off; but led the grain; 7½c. on lard to lose 2½c.; 7½c. on ribs, to lose 2½c. on small rows of hogs; only 17,000 at Chicago and 38,000 met with short coverings and packers trying to do the same. Sales N. Y., 4 tanks Western lard, pt., 3.85; do in tcs. 4.10@4.12½c.; cost and freight 4.09½@4.10c.; city 35½c., for refining, 250 pork at old prices. Hogs went 5c. up, and ½c. better. The clear Chicago was unchanged on pork, for day, 5 c. up on lard and ribs.

TALLOW AND STEARINE.

Stocks of No. 2 tallow and greases are reported to have accumulated materially at Chicago, and market for both became very weak, while prime stock or choice packers' tallow is only moving moderately at the decline to 4c.

We quote New York city tallow, 3½c.; country, packages free, 3½@3¾c.; edible, 3½@4¼c. Chicago prices are: Prime packers' 4c.; No. 2 do., 3c. asked; country prime, 3½@3¾c.; No. 2 do., 3c.; renderers' No. 1, nominal.

Greases.—Brown, 2½@2¾c.; yellow, 3@3¼c.; white, 3½@3¾c.; bone and soap, 2½@3½c. At Chicago—3½@3¾c. for A white, 3½@3¾c. for B white, 2½@3c. for yellow, 2½@2¾c. for brown and 2½c. for brown.

Thursday's markets were easier with a little more demand, although only for small lots, from N. Y. refiners who took 25,000 lbs. of city and a car lot of out of town stock, all at 5c., at which more was offered both there and West. Lard stock was offered at the previous decline without demand. Grease stearines have been very dull and practically nominal at following quotations.

Friday's markets were nominally unchanged and about steady with lard at N. Y., and West on both staples. We quote prices as follows: City lard stearine, 4½@5c.; Western prime do at 4½@4¾c. nominal, oleo stearine, city, 5c. asked, yellow grease stearine, 3½@3¾c.; white do. 3¾c.; tallow stearine nominal at 4¾c.; oleo oil at New York, 7½c. for No. 1, 5½c. for No. 2 and 4½c. for No. 3; at Rotterdam, 38 florins; at Chicago, 4¾c. nominal, for oleo stearine; yellow grease stearine, 3¾c.; white do., 3½c. nominal; tallow stearine, 4c.

Thursday's markets were more settled and active for city, for home trade at steady prices or 3½c. at which 500 hds. choice sold in N. Y. to soap makers and 75,000 lbs. of country at 3½@3¾c.; but exporters were not in the market, though there were further sellers at that price, yet none at less, as looked possible on Wednesday. French shippers claim one reason those markets hold off, is that pretty free arrivals of Australian, of late, have supplied the current demand. Sales of prime packers at 4c. in Chicago were also reported.

Friday's markets were weaker and 3½c. was all city stock would bring in N. Y., with rulers at 3½c.; 100,000 country, 3½@3¾c., both extremes. No demand for edible, sales of choice packers in Chicago, at 4c. Later 100 city sold to local trade at 3½c. N. Y. Greases have been more steady than tallow, as stocks have been smaller and demand fair at our quotations below.

COTTONSEED OIL.

Thursday's markets were dull, weak and lower to sell either refined or crude East or West, as the late drop in lard had the effect to scare buyers out of the market, although they had already been pretty well filled up by the free sales of the early week.

SWIFT AND COMPANY, CHICAGO.

MANUFACTURERS HIGH GRADE

SUMMER SAUSAGE

FOR DOMESTIC AND EXPORT TRADE.

CERVELAT
SALAMI.

QUOTATIONS UPON APPLICATION.

HOLSTEINER
FARMER.

Cable Address: "ESSBEEF."

Telephone: No. 436, JERSEY.

Jersey City Packing Company,

BEEF AND PORK PACKERS. CURERS AND EXPORTERS OF AND DEALERS IN FINE PROVISIONS. REFINERS OF LARD.
Manufacturers of "White Star" Brand of Lard. "Eagle" Brand of Hams and Breakfast Bacon. "Peerless" Brand Sausages.
BEEF AND PORK PACKED SPECIALLY FOR ALL CLIMATES.

Salesrooms and Packing Houses: 138-154 9th St., JERSEY CITY, N. J.

NORTH PACKING and PROVISION CO.

PACKERS AND JOBBERS OF
PROVISIONS

Highest Award, Diploma and Medal, at World's Fair, for Pure Lard, Hams, Bacon, Bbl. Pork, Neutral Lard, Sausages.

PURE LEAF LARD, 3, 5, 10-LB. PAIL TUBS,
TIERCES.33 & 34 N. MARKET STREET, BOSTON.
444, 446 & 448 PRODUCE EXCHANGE, N. Y. CITY.

Try their North Star Brand for something extra choice. Sure to please.

PACKING HOUSE, - SOMERVILLE, MASS.

FREDERICK BOHNET, GENERAL PROVISION DEALER,

Established 1850.

TELEPHONE, NO. 602 FRANKLIN.

188 & 190 MONROE ST., NEW YORK.

ORDERS PROMPTLY ATTENDED TO.
CITY OR COUNTRY.

John P. Squire & Sons' HAMS AND BACON

ARE THE FINEST IN THE WORLD.

Telephone
202 Franklin.

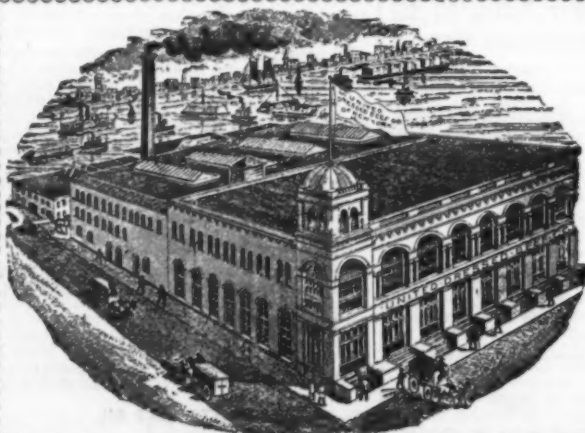
Their process of preparing and curing gives that delicate flavor and beautiful color
for which they are noted, and adapts them to any climate or season of the year.
OUR KETTLE RENDERED LEAF LARD CANNOT BE EXCELLED.

... 20 Harrison Street, New York.

THE NATIONAL PROVISIONER.

ANNUAL SUBSCRIPTION

ONLY \$4.00 FOR 52 WEEKLY ISSUES.



The United Dressed Beef Company

Telephone.
314 38th St.

OF NEW YORK,

Sales Office Telephone, 303 38th St.

CITY DRESSED BEEF.

PACKERS AND EXPORTERS OF INDIA MESS AND ALL SALT BEEF.
HIGHEST PRICES PAID FOR SHOP FAT AND KIDNEY SUET.

Beef Casings, Dried Blood, Fertilizers, Oleo Oils, Stearine,
Prime City Tallow, Ground Bone, Horns and Cattle Switches,
Selected Hides. All Grades Salted Beef.

43d & 44th STREETS,
FIRST AVE. and EAST RIVER, NEW YORK.

ISAAC BLUMENTHAL, President.
LEWIS SAMUELS, Treasurer.

ADOLPH EDELMUTH, Vice-President.
LEWIS A. LONDON, Secretary.

➡ LOOK AT PAGE 51. ➡

997 William St., East Buffalo, N. Y.
N. Y. CENTRAL STOCK YARDS.

SWIFT'S**Chicago Dressed
BEEF, MUTTON, LAMB, VEAL, PORK**

AND A FULL LINE OF

SWIFT'S FINE PROVISIONSG. F. and E. C. SWIFT, Proprietors.
General Offices, 105 Barclay St., N. Y.Can be had at our branch houses in New
York, Brooklyn and Jersey City.**BRANCH HOUSES:
NEW YORK.**G. F. & E. C. Swift, 105 Barclay st.
Gausevort Beef Co., 22 and 24 10th ave.
Washington Market Sheep Co., W. Washington Market.
Swift Provision Co., Cor. 13th st. and 10th ave.
G. F. Swift & Co., Manhattan Market (W. 34th st.).
Swift Sheep & Provision Co., 11th ave., 34th and 35th sts.
North River Beef Co., Foot W. 26th st.
Riverside Beef Co., 130th St. and 12th ave.
Swift Bros., Morrisania, 789 and 771 Westchester ave.
Harlem Beef Co., Foot East 17th st.
Murray Hill Beef Co., Foot East 31st st.
Centre Market Beef Co., Cor. Centre and Grand sts.**BROOKLYN.**Swift Brothers, 102 and 104 Fort Greene place.
Ft. Greene Sheep & Provision Co., 172 Ft. Greene place.
Williamsburgh Beef Co., 100 and 102 N. 6th st.
Brooklyn Beef Co., 74 and 76 Atlantic ave.**JERSEY CITY.**Swift & Company, Ninth St. Market, 138 9th st.
Swift & Company, Wayne St. Market.**THE CUDAHY PACKING CO.****Packers of REX BRAND****PROVISIONS, CANNED GOODS AND BEEF EXTRACT.****SHIPPERS OF CHOICE****Dressed Beef, Hogs, Sheep, Calves, Beef and Pork Cuts, and all
kinds of Tripe and Sausages.****ALSO MANUFACTURERS OF BUTTERINE.****PACKING HOUSES.**SOUTH OMAHA, NEB. CHICAGO, ILL.
SIOUX CITY, IA. LOS ANGELES, CAL.**BRANCH HOUSES.**The Cudahy Packing Co., Manhattan Market, New York.
" " " " Manhattanville " "
" " " " Ft. Greene Place, Brooklyn.
" " " " 1 Blackstone St., Boston, Mass.
" " " " Clinton Market, " "
" " " " Worcester, Mass.
" " " " Fall River, " "
" " " " Pittsburg, Pa.
Holmes' Provision Co., Holyoke, Mass.
Nashua Beef Co., " Nashua, " "
Lee & Hoyt, " New Haven, Conn.
McElroy Bros., " Bridgeport, " "
Omaha Beef Co., " Danbury, " "
Waterbury Beef Co., " Waterbury, " "
W. W. Coates & Co., " Providence, R. I.
A. H. Warthman Co., " Philadelphia, Pa.HARRISBURG, PA., OPERATED BY
HARRISBURG PROVISION CO.

LIVERPOOL, ENG.

WICHITA, KANSAS.

NEW YORK CITY.

BUFFALO, N. Y.

THE JACOB DOLD PACKING CO.

KANSAS CITY, MO.

**WESTPHALIA
HAM.****CURERS AND JOBBERS OF
PROVISIONS AND CANNED MEATS****WHITE ROSE
LARD.**

ESPECIAL ATTENTION PAID TO FOREIGN TRADE.

AND ALL PACKING HOUSE PRODUCTS.**ANGLO-AMERICAN PROVISION COMPANY, CHICAGO
FOWLER BROS. (LIMITED), NEW YORK AND LIVERPOOL.****Pork Packers, Lard Refiners and Sausage Makers.****SOLE PROPRIETORS****OF THE UNRIVALED AND JUSTLY
CELEBRATED****BRANDS OF MEATS AND LARD:****Delmonico Peach and Cherry Brands
OF SMOKED MEATS.****Peach Leaf Lard. Apricot Lard.****ROYAL LILY COMPOUND.**

Agents in most of the principal cities in the United States. Correspondence solicited.

ANGLO-AMERICAN PROVISION CO.**ORGANIZED 1888.****The New York Butchers' Calfskin Association,****OFFICE, 407 E. 47th STREET, NEW YORK CITY.****Sell your calfskins to us. We divide all profits to stockholders. No other
dealers do this.****Our wagons call at your place for calfskins.****CIMETER BLADE STEAK KNIFE.****Per Doz.**No. 010—10 inch, - \$9.60
No. 012—12 inch, - 15.00
No. 014—14 inch, - 21.00
No. 016—16 inch, - 27.00**We will send one or more of these Steak Knives to any Marketman or Butcher in the United States
or Canada, Express prepaid, on receipt of list price. SEND FOR CATALOGUE FREE.****KNIVES, CLEAVERS AND STEELS.****CUTLERS TO THE AMERICAN BUTCHERS.****NICHOLS BROS., Greenfield, Mass.****KINGAN & CO., Ltd.,****Pork and Beef
Packers,****INDIANAPOLIS, - - IND.****BRANCHES:**RICHMOND, VA.
NEW YORK, Manhattan Market.
PHILADELPHIA, PA., Vine Street.
BALTIMORE, MD., South Street.
MEMPHIS, TENN.
SAN FRANCISCO, CAL.**WRITE US FOR PRICES****ON CARLOAD LOTS OF****Dressed Beef, Mutton, Veal and Hogs,
also Sweet Pickled and Smoked
Meats, Kettle-Rendered Lard,
etc.****We are in the great Iowa cattle and hog belt and think
we can do you some good.****TRI-CITY PACKING & PROVISION CO.,****Manufacturers and Jobbers,****DAVENPORT, IOWA.**

California hams, smoked.....	6 a	6 1/2
New York cut shoulders, smoked.....	4 1/2 a	5
Boneless bacon.....	8 a	10
Bacon (rib in).....	7 1/2 a	8 1/2
Pickled hams, light.....	9 a	9 1/2
" heavy.....	8 a	8 1/2
" bellies, light.....	6 1/2 a	5 1/2
" heavy.....	5 a	5 1/2
" California hams.....	4 1/2 a	5 1/2
Fat backs, 40 to 45.....	4 1/2 a	5 1/2
" 30 to 35.....	4 a	4 1/2
" 20 to 25.....	3 a	4
Pork loins.....	7 a	7 1/2
Spare ribs, per cdo.....	13 00	a 15 00

LIVE POULTRY.

The week opened with heavy receipts, and each succeeding market day there was heavy accumulations of stock, as the trading was very dull. Dealers had to make heavy concessions before buyers would take hold, especially on chickens and fowl. Roosters were lower, while turkeys remained about steady. Geese were in large supply and lower, while ducks were a trifle scarce and held firm. We quote:

Fowls, Local, per lb.....	a 8
Western, per lb.....	10 a 10 1/2
Southern ".....	a 8 1/2
Chickens, local, per lb.....	a 7
Western, ".....	6 a 7
Southern, ".....	a 6
Roosters, old, per lb.....	4 1/2 a 5
Turkeys.....	8 1/2 a 9 1/2
Ducks, Western, per pair.....	65 a 85
" Southern, per pair.....	60 a 65
Geese, Western, per pair.....	1 25 a 1 50
" Southern, ".....	1 00 a 1 25

DRESSED POULTRY.

Contrary to last week the offerings were in excess of all requirements on most kinds of stock but turkeys. The weather also played havoc with the market, as it was unusually warm and unseasonable. Chickens suffered the most, as there was a glut of this class of stock. Fowls were not so plenty as chickens, but the low price of the latter held prices down. Buyers were shopping around picking up any lots of turkeys that are good enough to put away for the Thanksgiving trade, and as the supply was only moderate fair prices were obtained. Choice Western ducks were scarce, and sold readily at steady prices. Quite a number of consignments arrived dry packed. Owing to the unfavorable weather most of these lots from any distance arrived in a more or less sweaty condition, and had to be sold quick.

Recent advices from Ohio, Indiana, Michigan and Illinois, the States that usually furnish a large portion of the turkeys for the Thanksgiving holiday, indicate that the crop is not as large as last year, but it is believed that the crop in the Southwestern, also Northern, States is fully up to the average, and as these sections are becoming more of a factor each year the probability is there will be enough to supply the demand. It is the general opinion that prices will be as good as last year. The quality will undoubtedly average better. Shipments should be timed so as to arrive here no later than the 23d. A fair demand will continue for choice chickens, geese and ducks, but shippers should be cautious and not glut the market with these goods, as turkeys will have the principal call. We quote:

Turkeys, av. best, as they run.....	12 a 13
" culls.....	7 a 8 1/2

" old, mixed weights, per lb.....	10 1/2 a 12
Chickens, Philadelphia, selected.....	a 14 1/2
" common to good.....	9 a 11
Western, d. p. fancy.....	a 9
" av. prime.....	a 8
" common.....	5 a 7
" scalded, choice large.....	a 9
" av. prime.....	a 8
" poor to fair.....	5 1/2 a 7 1/2
Fowls, Western, dry-picked, choice.....	a 8 1/2
" scalded, av. prime.....	7 1/2 a 8
" poor to fair.....	6 a 7
Old Cocks, Western, per lb.....	a 6
Ducks, Western, mixed, per lb.....	10 a 12
Old Ducks, Western.....	7 a 9
Geese, per lb.....	8 a 10 1/2
Squabs, choice, large, white, per doz.....	1 75 a 2 25
" poor to good, per doz.....	1 25 a 1 50

GAME.

The general demand for game has been slow and unsettled. The weather has been against the sale of the same, and some of the consignments have arrived in bad condition. We quote:

Quail, choice, per doz.....	1 75 a 2 00
" small.....	1 00 a 1 50
Partridges, near-by, per pair.....	90 a 1 00
Western, undrawn, prime, pair.....	a 75
" prime, drawn.....	50 a 60
Grouse, Western, prime, per pair.....	1 00 a 1 25
Woodcock, fair to choice, per pair.....	75 a 1 00
Wild Ducks, canvas, per pair.....	2 50 a 3 00
" readheads, per pair.....	1 50 a 2 00
" mallard, per pair.....	80 a 80
" blue wing, teal, per pair.....	a 40
" green wing, teal, per pair.....	25 a 30
" common, per pair.....	20 a 25
Rabbits, per pair.....	15 a 25
Venison, saddles, per lb.....	15 a 18
" whole deer, per lb.....	10 a 12

BUTCHERS' SUNDRIES.

Fresh Beef Tongue.....	.35 to 70c
Smoked Beef Tongue.....	11 1/2 to 12 1/2c
Calves' heads, scalded.....	20 to 35c a piece
Sweet breads.....	20 to 50c a pair
Calves' livers.....	20 to 45c a piece
Beef kidneys.....	4 to 8c a piece
Mutton kidneys.....	2c a piece
Livers, beef.....	20 to 50c a piece
Oxtails.....	3 to 5c a piece
Hearts, beef.....	4 to 8c a piece
Rolls, beef.....	6 to 8c a lb
Butts, beef.....	6 to 8c a lb
Tenderloins, beef.....	16 to 20c a lb
Lamb's fries.....	5 to 7c a pair

BONES, HOOFS, HAIR AND HORNS.

Good country hide cuttings per lb.....	1 1/2 a 2
Sinews, green.....	3/4 a 1
" dry.....	2 1/2 a 3 1/2
Bones, dry and clean, 2000 lbs.....	14 00

SPICES.

	Whole.	Ground
Pepper, Sing. Black.....	6 1/2	7 1/2
" White.....	10	12
" Red Zanzibar.....	18	20
" Shot.....	8	
Allspice.....	6	8
Coriander.....	4	6
Cloves.....	10	18
Mace.....	45	60

Nutmegs, 110w.....	50	50
Ginger, Jamaica.....	23	26
" African.....	10	13
Sage Leaf.....	10	12
" Rubbed.....		12
Marjoram.....	25	

SAUSAGE CASINGS.

Sheep, English, wide per keg.....	32 00
" per 1/2 keg.....	17 60
" medium, per keg.....	25 00
" Australian, per lb.....	30 a 40
" New Zealand, wide.....	30 a 40
" domestic, per keg.....	20 00
Hog, American, tes, per lb.....	14
" bbls., per lb.....	14
" 1/2 bbls., per lb.....	15
" kegs, per lb.....	16
Beef guts, rounds, per set.....	15
" per lb.....	3 a 4
" bungs, per piece.....	a 7
" per lb.....	5 a 6
" middles, per set.....	40
" per lb.....	7 a 8
" wessands, per 1,000.....	4 1/2 c. per 100

BUTCHERS' FAT.

Rough butcher's fat.....	1 1/2
Inferior.....	1
*Suet, fresh and heavy.....	2 1/2
Shop bones (per cwt.).....	15 a 20

LARD

Deodorization
Analysis for Impurities.
Our Specialty.

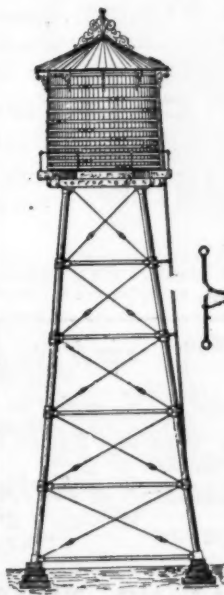
THE NATIONAL PROVISIONER,
ANALYTICAL LABORATORY,
284 Pearl St., New York.

PACKERS' TANKS

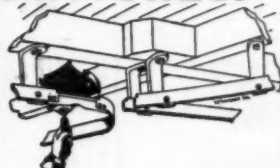
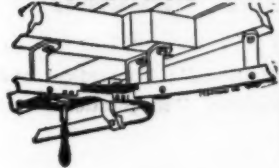
AND PICKLING VATS,
TOWERS,
AND
TUBS

CYPRESS
TANKS
A SPECIALTY.

W. E.
CALDWELL CO.
119 E. Main St.,
LOUISVILLE,
KY.



TRACKS. ~ SWITCHES. ~ TRUCKS.



CORRESPONDENCE SOLICITED.
REFER TO ALL FORMER CUSTOMERS.

J. DUNCAN & CO., 94 Blackstone St., Boston, Mass.

DWIGHT P. CRUIKSHANK

7 & 9 FRONT STREET,

...NEW YORK.

DIRECT IMPORTER OF SPICES

From Place of Growth.

Cripple Creek Gold.

WE ADVISE THE IMMEDIATE PURCHASE OF THE FOLLOWING STOCKS,
FOR EITHER A SPECULATION OR INVESTMENT:

INDEPENDENCE EXTENSION

Just south and within 300 feet of the world-famous Independence mine. Now selling at 10c.

BULL HILL GOLD TUNNEL CO.

A tunnel site through Bull Hill, running under many shipping mines, at 3c. per share.

THE MUTUAL BENEFIT MINING & LEASING CO.

Has a three years' lease on the Oldest Tunnel Site in Cripple Creek, containing 100 acres, between the Anchoria Leland and C. O. D. mines, also the Lelia mine containing 10 acres. 700,000 shares out of 1,100,000 still in the treasury. \$7,000 plant of machinery, etc. This stock is now selling at 5½c.

WRITE OR WIRE US FOR FURTHER INFORMATION.

THE MECHEM INVESTMENT COMPANY, COLORADO SPRINGS, COL.



CALLERINE — THE IDEAL FOOD PRESERVATIVE.

For the Preservation of all kinds of Food Products, Milk, Cream and Butter. Fish, Flesh or Fowl, Fruits and Vegetables without the use of ice or any other preservative.

CALLERINE
WILL PRESERVE MEATS OF ALL KINDS.

WE GUARANTEE

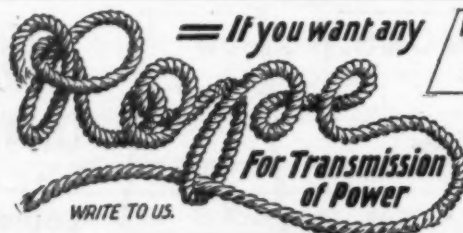
CALLERINE to be entirely free from Salicylic, Boracic or Benzoic Acid, Coal Tar Products or any Salt or Compound of the same.

Certificate of Analysis.
New York, July 1, 1896.
THE CALLERINE MANUFACTURING CO.,
612 Arch Street, Philadelphia, Pa.
Dear Sirs:—We have analyzed and tested the preserving fluid called "CALLERINE," and have found it to be an excellent and effective preservative for food of all kinds and to be free from harmful ingredients, and we therefore gladly endorse the use of same.
Respectfully,
THE NATIONAL PROVISIONER ANALYTICAL LABORATORY.
H. E. Stillecke, Ph.D., Chief Chemist.

SAMPLES AND CIRCULARS FREE ON APPLICATION.

BRANCH OFFICES,
THE BEAUMONT CO., 125 HUDSON STREET, NEW YORK.
I. L. NEWMAN, 6 S. HOWARD STREET, BALTIMORE, MD.
CALLERINE MFG. CO., 34 W. Chestnut St., Lancaster, Pa.

THE CALLERINE MANUFACTURING COMPANY,
612 ARCH STREET, PHILADELPHIA.



WRITE TO US.

= If you want any

We have furnished Rope for some of the largest Drives in the country.

H. CHANNON COMPANY,
24-26 Market St., CHICAGO.

\$1--ONE DOLLAR.

Send us \$1, and we will send to you one copy of Redwood's Theoretical and Practical Ammonia Refrigeration. 146 pages, cloth bound.

The National Provisioner Publishing Co.,

NEW YORK:
284-286 Pearl St.

CHICAGO:
617-618 Manhattan Bldg.

PICKLED LOINS, TRIMMINGS, BUTTS, and all kinds of **LEAN PORK PRODUCTS**

Bought by KACHELMACHER & BOHMER, 174 Chambers St., New York.

WANT AND FOR SALE ADS, can be found on PAGE 50.

The Fertilizer Market.

The market is generally quiet, caused in a measure by the high prices quoted by Western packers. Cotton seed meal has come on the market in largely increased quantities, and at lower prices. A number of the large fertilizing manufacturers of Virginia, the Carolinas and Georgia have purchased heavily, lest the packers might succeed in ultimately obtaining the high prices referred to. There appears to be a resulting falling off in the demand for packing house ammoniates. Prices rule about \$14, crushed tankage, f. o. b., Chicago; \$1.55 per unit of ammonia for blood, \$1.45 per unit of ammonia, concentrated tankage. Sulphate of ammonia has declined from \$2.30 to \$2.17½. Azotine is firm on the late advances. We quote:

Tankage, 9 to 9½ am.; 5 to 10 phos.	\$13.00 a 13.50 f.o.b.
" " " 18 to 20 "	14.00 a 14.50 "
" " " 12 to 12 "	14.00 a 14.50 "
Dried blood, per unit of ammonia	\$1.35
Concentrated tankage	\$1.27½ a \$1.30
Ground bone, fine average, per ton	\$19.00 a \$21.00
Azotine	1.80
Kainit, future shipment, per 2,000 lbs.	8.80 a 9.25
Kainit, ex store, in bulk	8.80 a 9.25
Kelsner, future shipments	7.25 a 7.50
Muriate potash, 80 per cent., fut. ship.	1.78 a 1.81½
Muriate potash, 80 p. c., ship, ex store.	1.80 a 1.82½
Nitrate of soda, spot	1.75 a 1.77½
Nitrate of soda, futures	1.80 a 1.85
Double manure salt (18 a 49 per cent. less than 2½ per cent. chlorate), to arrive, per lb. (basis 48 per cent.)	1.03 a 1.05½
The same, spot	1.03 a 1.05½
High grade manure salt (90 a 96 per cent. sulphate potash), to arrive (basis 90 per cent.)	1.99½ a 2.03
Manure salt in bulk, 24 a 36 per cent. per unit O. P.	36½ a 38
Bone black, spent, per ton	16.00 a 16.50
Ammonia superphosphate, high grade	25.00 a 26.00
Sulphate ammonia, for gas, per 100 lbs.	2.15 a 2.20
Sulphate ammonia, for bone, per 100 lbs.	2.10 a 2.15
South Carolina phosphate rock, ground, per 2,000 lbs.	5.00 a 5.25
South Carolina phosphate rock, undried, f. o. b. Ashley River, per 2,240 lbs.	3.00 a
The same, dried	3.25 a 3.40

BALTIMORE FERTILIZER REPORT.

We have to report a rather quiet market for fertilizer material the past week.

Prices are quoted at Chicago:

Blood, \$1.60 per unit.
Concentrated Tankage, \$1.50 per unit.
Hoof Meal, \$1.45 per unit.
Tankage, 8½ and 20 per cent., at \$13.50.
" 10 and 10, at \$14.50.
" 7 and 30, at \$11.50.
" 6 and 35, at \$10.50.
Azotine is offered at \$1.65 Balto.
Soft Blood " " \$1.70 New York.
Foreign Sulphates " \$2.15 to \$2.20—a considerable decline from the figures of the late advance.

CHEMICALS AND SOAP MAKERS' SUPPLIES.

74 per cent. caustic soda, 2½ for 60 per cent.; 77 per cent. caustic soda, 2.25 for 60 per cent.; 60 per cent. caustic soda, 2.40 lb; 98 per cent. powdered caustic soda, 4c. lb; sal soda, 70c. per 100 lb; carb. of potash, 5½c. lb; caustic potash 5½c. lb; borax 5½c. lb; talc 1½c. lb; Cochiti coconut oil, 6¼@6½c. lb; Ceylon coconut oil, 5¼@6c. lb; palm oil, 4¼c. lb in casks; yellow olive oil, 55c. gal.; green olive oil, 50c. gal.; green olive oil foots, 4½c. lb; cottonseed oil, 27½c. gallon; cottonseed soap stock, 1¼c. lb; rosin, \$2.25 to \$3 per 280 lb.

THE GLUE MARKET.

There was a fair but not improved demand during the week. All domestic glues are firmly held, but no advance can be realized. Foreign advices announce depleted stocks and higher quotations. The ruling quotations for extra white hide are 14 to 18 cents, for medium white hide 11½c. to 14½c. fine white pig 12c. to 13c., and 9½c. to 11½c. for common.

A Extra, white	22c
Extra "	18c
1 X "	16c
1 X "	14c
1½ Hide, brown	13½c
1½ "	13c
1½ "	12c
1½ Bone	10c
1½ "	9c
1½ "	8c
1½ "	7c

GREEN CALF SKINS.

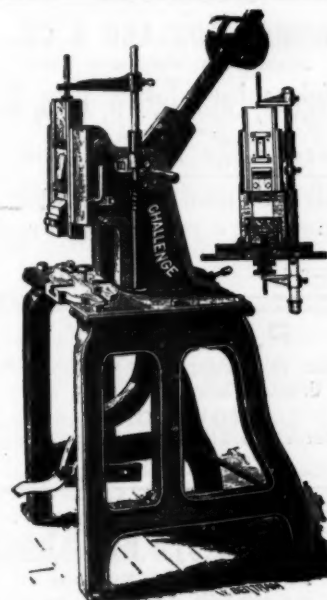
Veal Skins, No. 1	13
Veal Skins, No. 2	11
Buttermilks, No. 1	11
Buttermilks, No. 2	69
Kips, No. 1, Heavy	1.90
Kips, No. 1, Light	1.60
Kips, No. 2, Heavy	1.65
Kips, No. 2, Light	1.20
Buttermilk Kips	1.20
Branded Kips	1.00
C. S. No. 3	40
Bobs	25

ARCTIC FREEZING COMPANY.

Provision dealers in New York and vicinity, who have particularly fine stock requiring cold storage or refrigeration, will do well to patronize the Arctic Freezing Company (Messrs. Bootman & Robinson), 119, 120 and 121 West street, New York. The accommodations these afforded for taking care of all higher grades of perishable provisions, are all that can be desired.

The announcement of the company appears in another column.***

—The National Fertilizer Company, of Nashville, Tenn., have enlarged their chamber capacity, increasing their output 60 per cent. They have also just completed three new towers and new furnaces for making acid.



PATENT CHALLENGE SOAP PRESS.

HAVE YOU EVER SEEN the Crossy-Patent Challenge Soap Press?

Do you know that they have many points of superiority over other presses?

Do you know that it is the most economical Press to buy and use?

Do you know that 25% more and better work can be done with it than on any other foot press in existence?

Do you know where to buy the finest finished Soap Dies?

Do you know where to buy the Patent Self-Adjusting Dies?

Do you know where to buy the best finished and long lasting Printing Plates?

If you are not familiar with the above facts and want to purchase the best goods possible, write to

G. A. CROSBY & CO.
CHICAGO, ILL., U. S. A.

THE CONTINENTAL HOTEL
IS THE ONLY FIRST CLASS HOTEL IN THE IMMEDIATE BUSINESS AND AMUSEMENT CENTER OF THE CITY CONDUCTED ON THE
AMERICAN PLAN AT \$2.00 PER DAY
STEAM HEAT, PASSENGER ELEVATOR AND OTHER MODERN CONVENIENCES.
TABLE AND SERVICE THE BEST
ROOMS NEWLY AND NEATLY FURNISHED. THE NEXT TIME YOU ARE IN CHICAGO TRY THE CONTINENTAL, YOU WILL FIND IT HOMELIKE AND COMFORTABLE.
CHAS. O. BLOOM PROPRIETOR

WABASH AVENUE AND MADISON STREET. CHICAGO, ILL.

A TWO-CENT MISTAKE



have the best—Allison's.
trade or by

don't amount to much in any business, but the sticking point is that a clerk is just as liable to make a mistake of \$2.00 as he is of two cents, and a few mistakes like this would pay for enough of Allison's Coupon Books to last a year or more. With these books mistakes are impossible.

When A Man Wants Credit

for \$10.00 give him a \$10.00 Allison Coupon Book, charge him with this amount and there you are. No trouble at all. If he buys a plug of tobacco for ten cents, tear off a ten-cent coupon—that's all, and so on for all his purchases up to the limit of the book. NO PASS BOOK, NO CHARGING, NO TIME LOST, NO DISPUTES, NO ERRORS. There are other Coupon Books, of course, but why not

Let us send you a cancelled sample free. For sale by the jobbing

ALLISON COUPON COMPANY, Indianapolis, Ind.

BROKERS AND COMMISSION MERCHANTS.

Jacob Leaser,
Provision Broker,
429 Produce Exchange,
NEW YORK.

ESTABLISHED 30 YEARS

THOMAS GOULARD & CO.,
Inspectors, Weighers, Etc.
Provisions, Lard, Tallow, Oleo, Oils,
—Etc.—
NEW YORK AND CHICAGO.

THE PACKERS' HAND BOOK.

Is indispensable in every progressive packing house. See particulars, page 51. Order Blank for same, page 29.

P. G. GRAY,
Broker in Packing House Products, Oils,
Grease, Tallow, Fertilizers, etc.
PROVISIONS.
45 North Market St., Boston, Mass., U.S.A.
Correspondence Solicited.

H. C. ZAUN,
Provision Broker,
Room 409 Produce Exchange,
NEW YORK.

I do a strictly Brokerage business, neither buy nor sell for my own account. Reference, the Provision Trade of New York generally.

JOHN JAMISON,
Philadelphia.
S. P., SMOKED MEATS,
LARD and COMPOUND
... Sold on Commission.

W. Wilson Tickle,
COMMISSION MERCHANT,
166 and 167 Palmerston Buildings, LONDON, E. C.
(Proprietor of THE AUSTRALIAN TRADING WORLD)

Will undertake any Commissions for the purchase of English goods.
Samples of Cutlery, etc. furnished by parcel post on receipt of remittance to cover cost.
Orders must be accompanied with cash or its equivalent.

DAVID C. LINK,
General Commission
AND
Export Broker.

411 PRODUCE EXCHANGE
NEW YORK.

OLEO STEARINE A SPECIALTY.

ROBERT L. WENDLER,
BROKERAGE AND COMMISSION,
Fertilizing Material, Tallow, Grease,
AND PACKING HOUSE PRODUCTS GENERALLY.
72 BOARD OF TRADE,
CHICAGO, ILL.

RICHARD MCCARTNEY,
BROKER, PACKER HIDES,
Stearine, Tallow, Sheepskins, Cottonseed Oil,
Fertilizing Materials, Bones, etc.
Correspondence solicited.
Information cheerfully given. Kansas City, Mo.

REJECTIONS.

J. D. W. CLAUSSEN,
Handler of Rejected Meats.
REJECTIONS. REJECTIONS.
CONSIGNMENTS SOLICITED.
Prompt Returns and
Satisfaction Guaranteed.
Best of Reference Given on Application.
27 Market St., CHARLESTON, S. C.

CHARLES MILLER,
MANUFACTURER OF
BUTCHERS' FIXTURES
Boxes, Tools, Etc.
Ice Houses for all purposes.
Fish and Oyster Markets fitted up.
All Orders Promptly Attended to.
505 West 45th St., New York.

DIRECTORY

Of the Meat and Provision Trades—7,000
Names. See page 49. Other Blank, page 29.

GEORGE W. PRICE

has commenced this season's manufacture of

Hill's Celebrated Trenton Sausage.

PRICE'S PREPARED HAM, SAUSAGE,
BOLOGNA, FRANKFURTS, SCRAPPLE
AND BREAKFAST BACON.
THIS SEASON'S FRESH PORK, SUGAR-
CURED HAMS, BEEF TONGUES, BONE-
LESS HAM, DRIED BEEF, LIVER
PUDDINGS.

I am prepared to fill all orders promptly. No adulterations used in any of our products. Patronage solicited.

GEO. W. PRICE,
Stalls 43 & 44, City Market, TRENTON, N. J.
Factory, 22 & 23 Chambers Street.

H. SCHEIDEBERG,
(Established 1873)

Manufacturer of and Dealer in all kinds of

SAUSAGE CASINGS AND DIRECT IMPORTER OF
English Sheep Casings
Best Sausage Casings of Every Description.

624 W. 48th St., NEW YORK.

SOL. SAYLES,
HOTEL and
STEAMSHIP **SUPPLIES**

Sixth Avenue and Tenth Street,

Telephone, 18th St. 139. . . . NEW YORK

FINE BURLAPS FOR COVERING
HAMS AND BACON
PRESS CLOTH FOR PRESSING
TANKAGE, BLOOD, ETC.
BURLAP BAGS and ALL GRADES BURLAPS.
MANUFACTURED AND IMPORTED BY
W. J. JOHNSTON, 182 Jackson St., CHICAGO.

RESERVED FOR

Chas. Roesch & Sons,
SLAUGHTERERS,
PACKERS and
PROVISIONERS.

834, 836 & 838 North Second St.,

PHILADELPHIA, PA.

SEE COUPON ON PAGE 29.

“BIG THREE GREAT FOUR”
TRADES.

“KNICKERBOCKER SPECIAL.”

BETWEEN ST. LOUIS, INDIANAPOLIS,
CLEVELAND, NEW YORK AND BOSTON.

“SOUTHWESTERN LIMITED.”

BETWEEN CINCINNATI, COLUMBUS,
CLEVELAND, NEW YORK AND BOSTON.

“WHITE CITY SPECIAL.”

BETWEEN CINCINNATI, INDIANAPOLIS
AND CHICAGO.

E. O. McCORMICK,
Pass. Traffic Manager.

D. B. MARTIN,
Gen. Pass. & Tkt. Agt.

ECONOMY.**EQUITY.****SECURITY**

AMERICAN UNION LIFE INSURANCE COMPANY.

Paid-up Cash Capital, \$500,000,
January 1, 1896.

\$488 ASSETS to each \$100 LIABILITIES.

UNEXCELLED FEATURES:

Incontestable after one year.
Non-forfeitable after three years.

Paid-up or Extended Insurance provided in case of failure to pay premiums.

Annual Dividends.
Loans up to 75% of Reserve.
One month's grace allowed for payment of premiums.

Lowest Premiums.

Has written more insurance and has more insurance in force than any other Company in a like period of its existence.

Issues Renewable Term, Ordinary Life, Limited Payments, Endowment, Partnership or Joint Life, and Trust Fund Policies.

*Energetic and Reliable Agents Wanted.
Men of ability can secure liberal contracts.*

For particulars send to Franklin Trust Bldg., Cor. Montague and Clinton Sts.

BROOKLYN, N. Y.

CHICAGO MARKETS.

Chicago, Nov. 19.—Provisions weak under heavy selling by packers. January pork, \$7.40; January lard, \$3.85; January ribs, \$3.65; closing at the lowest price of the day.

LARDS.

Prime Steam..... 4 1/4
Neutral..... 6
Compound..... 4 1/4

STEARINES.

Oleo-stearines..... 5

OILS.

Lard oil, Extra..... 35
" No. 1..... 30
" No. 1..... 28
" No. 2..... 26
Oleo oil, "Extra"..... 6 1/2
Neatsfoot Oil, Pure..... 50
" Extra..... 38
" No. 1..... 33

TALLOW.

Tallow Oil..... 32
Packers' Prime..... 4
No. 2..... 3 1/2
Edible Tallow..... 4 1/2
Demand for tallow good.

GREASES.

Brown..... 2 3/4
Yellow..... 3
White..... 3 1/2
Bone..... 3 1/4

BUTCHERS' FAT.

Rough shop fat..... 3 1/2
Inferior or black fat..... 3 1/2
Suet..... 1 1/2
Shop Bones, per 100 lbs..... 15

COTTONSEED OIL.

P. S. Y., in tanks..... 23 1/4
Crude, "..... 20 1/4
Butter oil, barrels..... 30

FERTILIZER MARKET.

Dried blood, 16 to 17 units..... 1.50 Chgo. f. o. b.
Hoof meal, per unit..... 1.45
Concent. tankage, 14 to 15 p.c.p. unit. 1.40
Unground tankage, 10 to 11 p.c.p. per ton. 14.00
Unground tankage, 9 & 20 p.c.p. per ton. 13.00
Unground tankage, 8 & 20 p.c.p. per ton. 12.00
Unground tankage, 7 & 30 p.c.p. per ton. 11.00
Unground tankage, 6 & 35 p.c.p. per ton. 10.50
Bone meal, per ton..... 18.00
Bones, rough, "packers"..... 16.50
Steamed bone meal per ton..... 15.50
Ground tankage, \$1 per ton extra.

HORNS, HOOFS AND BONES.

Horns No. 1..... \$170 per ton 65-70 lbs. average
Hoofs..... \$20.00 per ton
Round Shin Bones..... \$47.00 " "
Flat Shin Bones..... \$37.50 " "
Thigh Bones..... \$30 per ton, 90-100 lbs. average

PACKERS' SUNDRIES.

Pork loins..... 6 a 6 1/2
Pocket Pieces..... a
Tenderloins..... 12 a 21 1/2
Spare ribs..... 4 1/2 a 5
Trimming..... 4 a 4 1/2
Ham Trimmings..... a
Shoulder butts..... 4 1/2 a 5 1/2
Hocks..... a 3 1/2
Tail Bones..... a
Pigs' Tails..... a
Snouts..... a
Cheek Meat..... a 2
Skinned Shoulders..... a 4 1/2
Dry Salt Spare Ribs..... a 2

SCHANZ & KOEHLER,

Manufacturers and Designers of
Butchers' and Grocers'
Fixtures and Ice Boxes,
No. 148 BOYD STREET,
NEAR EIGHTEENTH AVE. Newark, N. J.

P. DONAHUE & SON,

Highest Prices Paid for

HIDES, FAT AND SKINS,

658 W. 39th St., New York.

HIGHEST PRICES

FOR

Hides, Horsehides,

Calf Skins,

Tallow, &c.

Sheep and Lamb Skins,

Pelts.

JOSEPH HABERMAN

623 to 627 West 40th St.,

NEW YORK CITY.

REFERENCES:

The Bowery Bank of New York,
„The National Provisioner.”

JACOB LEVY

PAYS THE HIGHEST PRICES FOR

Fat, Suet, Calfskins, Hides, Plates & Bones,

799 First Ave., New York City.

76 KENT STREET, 16 NO. WEST ST.,
Greenpoint, L. I. Mount Vernon.

Wagon calls to all parts of the city, Brooklyn, Westchester Co., and Yonkers.

HERMAN BRAND,

Dealer in

Fat, Calfskins, Suet and Bones,

413 East 51st St., New York.

Wagons visit all parts of the city.

CHARLES GROLL,

DEALER IN

FAT AND CALFSKINS,

Also Plate, Naval and Prime Beef,

548 W. 40th St. (Bet. 10th & 11th Aves.) NEW YORK.

SEE COUPON ON PAGE 29.

WHAT'S THE MARKET

ON . . .

HIDES

SKINS

PELTS

TALLOW

GREASE

SEND for free copy of our paper. Market Reports each week from Chicago and all leading markets.

Pays to keep posted.

. . . .

Hide and Leather,

154 LAKE STREET, CHICAGO.

SOMEBODY IS USING THEM!



NUMBER 1 BOOK.

THE FACE VALUE
OF THE MONTHLY
OUTPUT OF THE

**FORBES INDEXED
COUPON BOOKS**

... IS NEARLY \$1,000,000

HAVE YOU TRIED THEM? Our "Number 1" Book is better than any other made, but our "Number 2" excels it. Has index, cannot be tampered with, name on face of each coupon either from type or your

ENGRAVED SIGNATURE. Engraved signatures last a life time and cost is small. Books made in all ALL SIZES and DELIVERED FREE. Pamphlet telling you all about them and sample books for the asking. Let us send them to you.

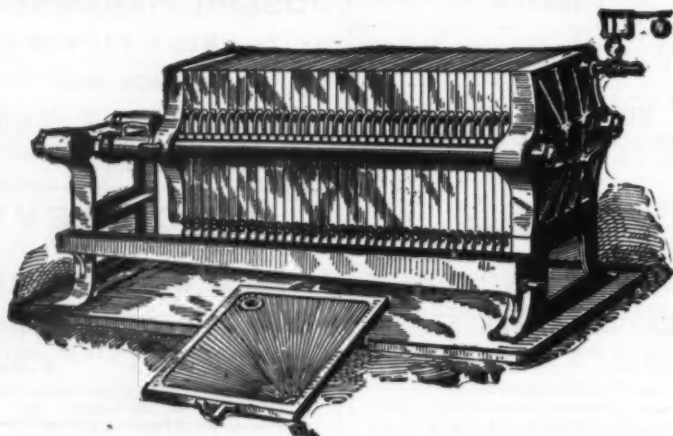
J. P. FORBES, FORBES BUILDING,
COSHOCTON, OHIO.

We make Books for Ice Dealers, Hotels, Grocers, Restaurants, Soda Water, Telephone Co's., etc.

SPERRY'S NEW FILTER PRESS

HAS MANY POINTS OF EXCELLENCE OVER OTHER PRESSES OF THIS FORM.

THE LATEST AND BEST.



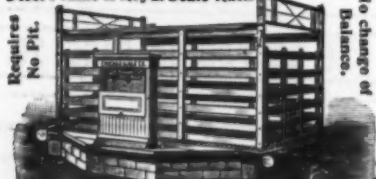
THE LATEST AND BEST.

D. R. SPERRY & CO., MANUFACTURERS OF
Vacuum Pans, Steam Jacket Kettles,
BATAVIA, ILL. Caldrons, Hog Scalders, etc.

SEND FOR FULL INFORMATION.

SEE COUPON ON PAGE 29.

16 oz. to 1 lb.
U. S. Standard
Steel Frame & Royal Scale Rack



Requires No Pit. No change of Balance.

Manufacturers of specialties at less than Wholesale prices, viz:
Sawing Machines, Bicycles, Organs, Pianos, Cider Mills,
Carriages, Carts, Buggies, Harrows, Saws, Bone Mills,
Letter Presses, Jack Screws, Trucks, Anvils, Hay Cutters,
Press Stands, Feed Mills, Sizers, Drills, Road Plows,
Lawn Mowers, Coffee Mills, Forges, Lathes, Dump Carts,
Corn Shellers, Hand Carts, Engines, Tools, Wire Fences,
Planing Mills, Crow Bars, Bolters, Washers, Clothing Ac.
May, Stock, Elevator, Railroad, Platform and Counter SCALES.
Send for free Catalogue and see how to Save Money.
181 S. Jefferson St. CHICAGO SCALE CO., Chicago, Ill.

DUMRAUF & WICKE,

Manufacturers of



**BUTCHERS'
FIXTURES and
ICE HOUSES**

of every description.
Fish Markets Fitted Up.
Tools always on hand.
SHEET IRON
SMOKE HOUSES.

338 & 340 East 102d St., NEW YORK.

HINTS TO PRACTICAL OIL MILLERS
WITH REGARD TO PRESS ROOM AP-
PLIANCES AND METHODS. ORDER
THE BOOK NOW. BLANK CAN BE
FOUND ON PAGE 19.

WHEN YOU GO TO
GANSEVOORT
MARKET CALL AT

GANSEVOORT BUTCHERS' SUPPLY CO.

For your ...
Butchers' Tools, Skewers, Lard Kettles,
Presses Stuffers etc. Fixtures of all kinds.

Butchers' Blocks our Specialty.

HAMBURG-AMERICAN LINE

THE ONLY LINE maintaining a regular service to the European Continent with **TWIN SCREW STEAMERS**. New York-Plymouth (London)-Copenhagen (Paris)-Hamburg Holding the record for fastest time on this route.

Columbia, Sept. 24, 7 a.m.	Normannia, Oct. 29, 10 a.m.
Normannia, Oct. 1, 10 a.m.	Aug. Victoria, Nov. 5, 7 a.m.
Aug. Victoria, Oct. 8, 7 a.m.	Fürst Bismarck, Nov. 12, 10 a.m.
Fürst Bismarck, Oct. 15, 10 a.m.	Normannia, Nov. 26, 10 a.m.

REGULAR SERVICE between NEW YORK and HAMBURG direct.

By new Twin Screw mail steamers and other steamers.

Patris, Sept. 19, 3.30 p.m.	Palatia, Oct. 24, 8 a.m.
Prussia, Sept. 26, 10 a.m.	Patris, Oct. 31, 12 noon.
Phoenicia, Oct. 3, 2 p.m.	Prussia, Nov. 7, 9 a.m.
Persia, Oct. 10, 9.30 a.m.	Phoenicia, Nov. 14, 1.30 p.m.
Armenia, Oct. 17, 2.30 p.m.	

BALTIC LINE Direct Service between NEW YORK and STETTIN.

Georgia, Sept. 19, 2 p.m.	Virginia, Nov. 21, 2 p.m.
Virginia, Oct. 3, 2 p.m.	Venetia, Dec. 5, 2 p.m.
Venetia, Oct. 17, 2 p.m.	Georgia, Dec. 26, 2 p.m.
Georgia, Nov. 7, 2 p.m.	Virginia, Jan. 9, '97, 2 p.m.

SPECIAL WINTER CRUISES To Orient, leaving New York, January 26th, 1897. To the West Indies, leaving New York on Thursday, February 11th, 1897. Special pamphlets, containing full description of these trips, will be sent upon application to the

Hamburg-American Line,
37 Broadway, New York, Cor. La Salle and Randolph
Sts., Chicago.

JACKSON & CO.

MANUFACTURERS OF

BUTCHERS and PACKERS'

SKEWERS

Made from the
BEST OF HICKORY.

Correspondence solicited.

Jackson & Co.,

626 Tenth Ave., New York.

THEODORE FISHER

3324-3326 South Halsted Street,
CHICAGO, ILL.

Brass and Copper Founder
COPPER BURNING BRANDS FOR
PACKERS' USE A
SPECIALTY.

Send your pattern and I will send sample of work free of charge, with estimate.
Finest Material and Workmanship Guaranteed.

MORTON & WAUGH,

Contractors for

Artesian and Driven Wells.

Wells Drilled Through Rock by Steam Power.
Soundings for Sewers, Foundations and Bridges.

No. 94 WATER STREET,
BOSTON, MASS.

SOAP MAKERS

Will find it to their interest to send us their work, viz., analysis of soap, oils, fat, tallow and greases.
The National Provisioner Analytical Laboratory, 284 Pearl street, New York.

OFFICIAL CHEMISTS NEW YORK PRODUCE EXCHANGE.

CHEMICAL AND ENGINEERING

PACKING-HOUSE LABORATORY

— OF THE —

THE NATIONAL PROVISIONER

Of New York and Chicago,

**FOR THE ANALYSIS, INVESTIGATION AND EXAMINATION OF ALL
PACKING-HOUSE PRODUCTS AND SUPPLIES.**

We will investigate and analyse, as regards their adaptability and purity, as well as to general composition, the following **Packing-House Products and Requisites**:

Chemicals and Supplies.

BORACIC ACID.
Crystals.
Powdered.
SALICYLIC ACID.
GLYCERINE.
CHROME YELLOW.
CHROME ORANGE.
HARTER.
ANHYDROUS AND AQUA AMMONIA.
ALCOHOL.
Grain.
Wood.
VINCOAL.
SODIUM SULPHITE AND OTHER SULPHITES.
ALUM AND ALUMINUM SALTS.
LIME.
PRESERVATIVES IN GENERAL.
SPICES.
Pepper.
Coriander, etc.
DEXTRINE.
STARCH.
Corn.
Potato.
Tapioca.
Water.
BOILER COMPOUNDS OR PURGES.
LUBRICATING OILS.
Greases.
Compounds in General.
AXLE GREASE.
BELT CEMENTS.
BELT GREASES.
COAL.
WASTE FUEL, GASES AND SMOKE.
SOLDERS.
LEAD.
TIN.
HABBIT METAL.
ANTI-FRICTION METALS.
SOLDERING FLUIDS.
SAUSAGE MAKERS' INGREDIENTS.
Bologna Color.
Bologna Anti-Shrinkage Compound.
Blood Color.
FULLER'S EARTH.
PEARL ASH.
SILICATE OF SODA.
SULPHITE OF SODA.
DEPILATORY.
SAL AMMONIAC.
PAINTS.
Roofing.
Wood Working.
Iron Work.
COLORS IN GENERAL.
MILK.
CREAM.
BUTTER.

WOOL SCOURERS AND CLEANERS.
"STICK" CURERS OR "STICK" MEDICINE.
SALT for Hides.
Oleo Oil.
Curing, Drvsalting and Pickle.
Butter and Oleomargarine.
Soapmaking.
Casings.
SUGAR.
Molasses.
Syrup.
SALT PETRE.
Powdered.
Lump.
Crystal.
BORAX.
Crystal.
Powdered.
CAUSTIC SODA.
SODA ASH.
SAL SODA.
BICARBONATE OF SODA.
SULPHATE OF SODA OR GLAUBER SALTS.

Products.

Beef and Mutton Fats.
BEEF, PRIME, EDIBLE TALLOW.
For Water.
Hardness.
Titr.
Free acid impurities.
Uses.
Refining quality.
NON-EDIBLE TALLOW--For above tests.
TALLOW OILS. { Cold test.
 { Free acid.
NEATSFOOT OILS. { Gen'l impurities.
BONE TALLOW.
Hardness or titr.
NEATSFOOT STOCKS.
Hardness or titr.
WOOL GREASE.
General impurities.
Free acid.
Fleshing grease.
Oleo and Mutton Stearines.
For lard and compounds. Water.
Hardness.
For Tanners. { Free acid.
 { Impurities.
Oleo Oil and Neutral Lard.
For Color, Flavor.
Odor, etc.
Hardness, Free Acid, Water.

Lard Products.

PRIME STEAM for Water, Impurities.
For Free acid.
Hardness.
Color.
Taste.
Odor.
Cotton oil.
Beef or other tallow.
Keeping quality.
Bleaching quality.

Kettle Lard.

For above tests.

Lard Stearine.

For above tests.

Lard Oil.

For above tests.

With cold test.

Lard Compounds.

For Cotton oil.

Tallow.

Water.

Hardness.

Keeping quality.

Climatic influence.

Color.

Taste.

Odor, etc.

Lard Substitutes.

Above tests.

Hog Grease.

Yellow and brown for Water.

For Hardness.

Free acid.

Probable oil.

Yield in pressing.

Bleaching quality.

Pickles and Brines.**Sausages.****Beef Extracts and Beef Fluids****Pepsin, Pancreatin and Other****Ferments. Glues.**

Pigsfoot glue.

Bone glue.

Hide stock glue.

Clear glue.

Foaming glue.

Strong and weak glues.

Painted or colored glues.

Paper maker's glue.

Paper box glue.

Cabinet glue.

Butterines and Butter.

Creamery.
No. 1 Grade.
No. 2 Grade.
Butterine.
Cotton oil.

Cotton Oil.

CRUDE for Free acid.

Water.

Insoluble or mealy matter.
Probable loss in refining.
and what suitable for.**YELLOW.**

For Color, Flavor.

Cold test, etc.

Soapmaking.

Lard refining and cooking compounds.

Miner's and brewer's lamp oil.

WHITE.

For Color, Flavor.

Cold test, etc.

Soapmaking.

Lard refining and cooking compounds.

Miner's and brewer's lamp oil.

Salad oils.

"FOOTS" OR TANK BOTTOMS.

For Oil.

Mealy matter and water.

"FOOTS" OR SOAP STOCK.

For Water.

Total fatty acids.

Mealy matter.

Free oil or free soda.

COTTONSEED MEAL AND CAKE.

For Water.

Ammonia.

Oil.

Fertilizers.

Including
Steam bone.
Raw bone.
No. 1 or 2-40 tankage.
No. 2 or 7-30 tankage.
Green or pressed and undried tankage.
Blood.
Tank water or "Stick."
Concentrated tankage.
Complete fertilizers.
Hoof meal.
Manure.

For water, grease, ammonia, phosphoric, etc.

Wool.

For Shrinkage in scouring.
Water.
Dirt.
Grease.

An official certificate will be given with every Analysis made.

Packers, Slaughterers, Tanners, Manufacturers of Oils and Fertilizers, Lard Oil Refiners, Soapmakers, Tallow-Renderers, Sausage-Makers, and others should avail themselves of the facilities thus offered, which, as a rule, are accessible and available only to the largest establishments.

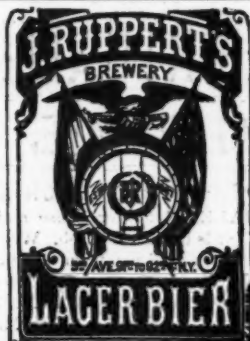
We shall be pleased to quote figures on every test or analysis on any of the above articles or several of them. We will make arrangements for regular weekly analysis of oils, fertilizers, lard or any other product.

Will also give particulars regarding size and weight of samples desired.

The National Provisioner Analytical Laboratory,
Official Chemists to the New York Produce Exchange,

284 to 286 Pearl Street, New York.

617 to 618 Manhattan Building, Chicago.



BUTCHERS.

The following Mortgages on Butchers' Fixtures, Bills of Sale, etc., have been recorded during the past week up to Saturday, November 14, 1896. They are a reprint of our Advance Sheet, sent out to houses on November 14, who subscribe to same.

NEW YORK CITY.

Broff, Herman, 120 Sheriff; to E. Diamond.....	\$35
Fogel, Hench, 40 Clinton; to S. Shargel.....	50
Grennwald, Sam, 1659 3d Ave.; to J. A. Raab.....	325
Hug, Otto, 17 West 100th; to H. Brand.....	50
Lewis, Abraham, 1862 Lexington Ave.; to L. Heinsfurter.....	100
Lexenstein, J. & M., 344 Brook Ave.; to G. Frankenberg.....	30
Meyer, Wm., 136 8th Ave.; to Rose Meyer.....	600
Oda, Albert, 572 Courtlandt Ave.; to G. Benderoth.....	400
Ranzman, Abraham, 137 East 110th; to E. Diamond.....	80

Bills of Sale.

Alexander, Rosa, 1027 1st Ave.; to L. Loewenstein.....	500
Ausfall, J. & H., 171-173 Suffolk; to P. A. Decker.....	600

KINGS COUNTY.

Dittmar, Emma, 431 Decatur and 625 Halsey St.; to J. Winter.....	500
Faust, 405 Myrtle Ave. and 166-172 Carlton Ave.; to F. Loehfelm, Jr.....	1,375
Fehrenbach, E., 709-711 Broadway; to A. Heckelmann.....	425
Friedrich, W., 190 Evergreen Ave.; to E. Koenig et al.....	50
Griner, C., and I. Drucke, 67 Morrell; to M. Rosenbloom.....	50
McDicken, A., 2030 Fulton; to C. Kuck (Horses).....	500
Same, same; to J. H. Heyler.....	500

A Five Dollar Safe IN THE PRODUCE EXCHANGE VAULTS, NEW YORK CITY.

Will hold a large number of Deeds, Mortgages, Insurance Policies, Bonds, Stocks and other valuable papers. **INSPECTION INVITED.**



THE UNION SAUSAGE STUFFER

MADE IN TWO SIZES.
54-lb. Size, . . . \$65
86-lb. Size, . . . 68

This Stuffer occupies less room than any other and is simple and rapid in operation.

Send for Descriptive Circular.

MANUFACTURED BY
The UNION Machine Works,

413 Cherry Street, Philadelphia, Pa.

New York Agents:
S. OPPENHEIMER & CO., . . . 94 FRANK STREET.

GROCERS.

The following Mortgages on Grocers' Fixtures, Bills of Sale, etc., have been recorded during the past week up to Saturday, November 14, 1896. They are a reprint of our Advance Sheet, sent out to houses on November 14, who subscribe to same.

NEW YORK CITY.

Apsler, Phillip, 233 Division; to M. Manning.....	50
Crismann, H. B., 1956 7th Ave.; to W. Winkelmar.....	150
Cauldwell, Wm., 63d St., Boulevard and Columbus Ave.; to A. B. Hilton, assignee (Hotel).....	14,416
DeBoid, J. J., 215 East 95th; to L. Ory.....	160
Fehrmann, Fred, 737 East 147th; to Smith & Sills.....	125
Fromken, Kosill, 234 Cherry; to B. Dobschitz and another.....	150
Hagadorn Bros., 163 10th Ave.; to J. T. Huner.....	250
Hirschbein, Theo., 1555 Madison Ave.; to H. F. Jaeger.....	1,800
Schaumann, Hy., 219 West 35th; to B. Hasse.....	750

Bills of Sale.

Donohue, Eliz., 4 West 22d; to C. Reid (Restaurant).....	3,000
Hunt, F. J., 281 Lenox Ave.; to Sarah Hunt.....	50
Hoage, D. I., 20 West 63d; to Lee, Ellis & Smith.....	475
Lohmann, Frederick, 2078 7th Ave.; to Louise Lohmann.....	550
Nitschke, Hy., 411 Broadway; to Elizabeth Nitschke (Restaurant).....	800
Siegel, Mollie, 144 Forsyth; to S. Scheer.....	300
Schueloch, Aug., Wakefield; to Ida Schueloch.....	175
Westermann, E. D., 1566 3d Ave.; to H. Hoberg.....	2,800

KINGS COUNTY.

Detjen, J. P., and G. Bosenburg, 220 Monroe St., and 219 Lee Ave.; to H. Bullwinkel.....	1,900
Litnicki, S., and M. Daskierwicz, 23 Union Ave.; to B. Blackowski.....	315

Bills of Sale.

Albert, A., 332 Stockton; Margaretha Reinhart.....	250
Dimiglio, Senore, 599 Broadway; to A. Nicola.....	150
Fisher, J. R., 1741 Pacific St., and 1752 Atlantic Ave.; to Eliz. J. Fisher.....	1,030
Schmidt, J., 385 Starr; to H. Lang and another.....	710

NOTE.—The above information will be furnished on a special advance sheet one week ahead of this publication to all those who may desire to order it. Price, \$2.50 per year, 52 weekly sheets.

BUTCHERS OF BROOKLYN

WOULD DO WELL TO CALL AT

ELSNER & KEIL,

201 Wallabout Market,
who manufacture every kind of **Provisions and Smoked Meats.**
Bolognas and Frankfurters a Specialty.
YOUR BUSINESS SOLICITED.

"ECLIPSE"

Silent Meat Cutting Machines

Are conceded by the Trade, both in this country and Europe, to be

THE BEST MACHINES EVER PUT ON THE MARKET.

MANUFACTURED AND SOLD BY

DUNCAN MACKENZIE, Union Iron Works

HAMILTON AVENUE, TRENTON, N. J.

Sold also by **WOLF, SAYER & HELLER,**
Fulton and Peoria Streets, Chicago, Ill.
and 130 Pearl Street, New York.
SEND FOR CATALOGUE.

THE CHEAPEST AND BEST HOUSE IN THE CITY FOR EVERY KIND OF STORE FIXTURES.

M. LEVIN,

265-267 BROOME STREET, near Allen, NEW YORK.
FACTORY, 49-51 RIDGE ST.

STORES FITTED UP. Upright Butter and Butchers, Refrigerators. Counters, Shelvings, Show Cases, Gas Fixtures. Butchers Fixtures a Specialty.
ESTIMATES CHEERFULLY GIVEN.

TELEPHONE, 299 FRANKLIN.

JAMES H. O'BRIEN,

SCALE MAKER AND REPAIRER.

Manufacturer of Over-Head Scales and Tracks for Weighing and Handling all kinds of Merchandise.
Dealer in New and Second-Hand Scales.
Scales Tested and Sealed to U. S. Standard.

75 NEW CHAMBERS ST. NEW YORK.

J. DAHUTS' SONS,

MANUFACTURERS OF

First-Class BUTCHERS and GROCERS' FIXTURES

Dealers in Counters, Showcases, Scales, Cannisters, Coffee Mills and Chandeliers at lowest prices.

REFRIGERATORS A SPECIALTY.

2104-2106 Second Avenue,
Cor. 108th Street, **New York.**

Good Meat Alone

is not enough. The butcher who wishes to build up a big trade must have a nicely furnished shop. The man who has

An Up-to-date Shop

will get the up-to-date trade. Customers like to see attractive refrigerators, modern machinery and handy tools.

All Butcher Fixtures

of the latest and best make, as well as refrigerators and tools, are manufactured by

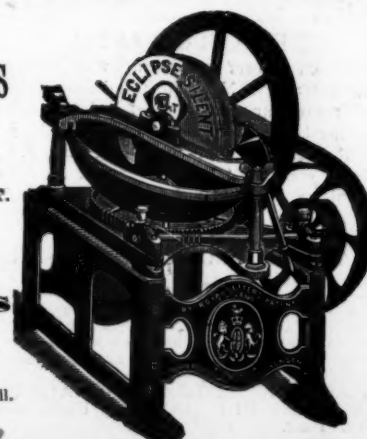
T. FARRELL,

328 West Forty-First Street,
NEW YORK CITY.

THE NATIONAL PROVISIONER.

ANNUAL SUBSCRIPTION

ONLY \$4.00 FOR 52 WEEKLY ISSUES.



WANTED.--FOR SALE.--BUSINESS OPPORTUNITIES.

NOTICE.

Advertisements in this column to occupy one inch or less are inserted at the minimum rate of one dollar per insertion (one inch of eight lines or less). Fifteen cents per line for every additional line above eight lines.

POSITIONS WANTED.

FERTILIZER AND GLUE.

An experienced fertilizer man, at present connected with large packing firm, who has had executive management of business and who thoroughly understands the manufacture and sale of Fertilizers, Glue, Tallow, Stearines, Oils, Casings, etc., will be open for engagement January 1. Would like to hear from parties organizing a company or from a responsible broker. Best of references. Address AVAILABLE, Box 115, care of THE NATIONAL PROVISIONER, 617-618 Manhattan Building, Chicago.

IMPORTANT TO PACKERS AND MANUFACTURERS.

A gentleman who desires to make an extended trip through Europe next spring and who will visit the largest cities and principal ports would be pleased to make connections with some prominent houses for which he could do some business on his proposed trip. Address I. Z. I., Box 527, care of THE NATIONAL PROVISIONER, 284 Pearl street, New York.

Position by competent man in office or warehouse. Have had experience in packing house. Can furnish best of references. Address J. H. C., care THE NATIONAL PROVISIONER, 284 Pearl street, New York City.

Packing house expert is open for engagement to superintend erection of packing houses and complete equipment thereof—cattle, hogs and sheep. Will also undertake to instruct in any branch of the business. Killing, cutting and curing for domestic or foreign trade, refining lards, manufacture of compounds, deodorizing greases, the manufacture of oleo and neutral lard, canning of all kinds of meats, manufacture of beef and chicken extracts, process of canning corned beef in six days from cutting and guaranteed equal to any on the market. Address EXPERT, 617 Manhattan Building, Chicago.

WANTED—A position as beef or sheep salesman; have had three years' experience selling beef and sheep in New York. J. S., care of "The National Provisioner," New York.

POSITION WANTED.

By good beef salesman, who has good chuck trade in New York and Brooklyn; entirely familiar with the beef and fat business, having had an experience of over eight years in these departments in a large house. Am also a competent bookkeeper and office man. Would go into partnership in chuck business with party having a few hundred dollars. Good profits. Address J. F., 118, care NATIONAL PROVISIONER, 284 Pearl street, New York City.

A few copies of "Swine Husbandry" (by Coburn), at 75c. each. This is a good opportunity for any one who desires to possess a book which treats fully on breeding, feeding and cultivation. The price named is a reduced figure. THE NATIONAL PROVISIONER PUB. CO., 284 Pearl street, New York.

HELP WANTED.

A casing traveling man to handle a side line on commission. Address "SIDE LINE," care THE NATIONAL PROVISIONER, New York.

We desire for the city of Cincinnati a representative who is known and respected in the packing trade, and who, if possible, has other occupation, so that he can take our business as a side line. THE NATIONAL PROVISIONER, 284-6 Pearl street, New York City.

WANTED.—An energetic business man who can furnish good references as to character and wishing to actively engage in the wholesaling of beef, pork and small stock, can hear of a chance seldom offered to become a partner in a well established and paying business that will bear investigation; in a good business city; one acquainted with the business preferred; the reason for wanting a partner is his assistance to increase the business; none but those meaning business need apply. Address, "PARTNER," care THE NATIONAL PROVISIONER, New York City, N. Y.

Directory and Handbook

OF THE

MEAT AND PROVISION INDUSTRIES

Of the United States and Canada.

7000 Names. 440 Pages

Half tone paper, illustrated, well bound in cloth.

Secure a Copy.

7000

PRICE, \$10.

PART I.

7000 Names of Pork and Beef Packers. Wholesale Butchers & Slaughterers. Wholesale Dealers in Meats. Wholesale Provision Dealers. Lard Renderers and Refiners. Oleomargarine and Butterline Mfrs. Tallow Renderers and Dealers. Provision Brokers & Com. Merchants. Cottonseed Oil Mfrs. and Refiners. Sausage Manufacturers. Fertilizer Manufacturers & Dealers. Soap and Candle Makers.

PART II.

- I.—Illustrated Articles showing all cuts of meats for domestic and export markets. The latest methods of killing, chilling, curing and making brines. Tests, tables, export weights, boxed meats, tank, lard, sausage departments.
- II.—Receipts for Sausage Makers.
- III.—Cottonseed Oil Manufacture and Appliances. Latest Machinery and its Use.
- IV.—Historical and Statistical Survey of the Trade.

The National Provisioner Publishing Co.

284-286 Pearl Street, New York.
617-618 Manhattan Bldg., Chicago, Ill.

FOR SALE.

SLAUGHTER HOUSE FOR SALE.

FOR SALE—Slaughter house and ground in Stock Yards in Omaha, Neb. Well adapted for handling dressed meat and shipping East. Particulars on application. Address O. C., 111, NATIONAL PROVISIONER, 284-6 Pearl street, New York; 617-8 Manhattan Building, Chicago.

OIL, TALLOW, GLUE AND ANIMAL BONE FERTILIZER BUSINESS FOR SALE.

Comprising 18 acres of land; house, buildings and factory furnished with spring water by ram; 30 horsepower engine and boiler, crushers, mills, screens, elevators, tanks, etc., all new. Will sell cheap on account of ill health. JOS. L. BICKERSTAFF, 2800 Broad Street, Richmond, Va.

FOR SALE.

One 25-Ton Boyle Ice Machine

With Corliss Engine. First Class Condition. Price Reasonable. For full particulars inquire of

THE L. HOSTER BREWING CO., COLUMBUS, OHIO.

OIL MILL AND ICE PLANT FOR SALE.

A well equipped cottonseed oil mill, 50 tons' capacity, situated in a leading commercial center in the South, consisting of one huller, four linters, rolls, four cookers and heaters, three 12-box Van Winkle presses and one 15-box press, one cake breaker, one buhr mill and one attrition mill. In addition to the foregoing there is also a first-class hydraulic pump, shafting, belting, etc., all new. Also a 60 H. P. steam engine, two 80 H. P. boilers, feed pump and feed water heater, together with receiving and settling tanks, etc. In addition to the foregoing there is also offered for sale on same premises, one 35-ton De La Vergne refrigerating machine, a complete 17-ton ice-making plant, including condensing and filtering apparatus, together with a 50-light dynamo, with 12 H. P. New York Safety Steam Power Co.'s engine; everything in first-class order and now being operated on a paying basis. A 50-barrel refinery is now being erected, which will add to the value of the oil mill very materially. For further particulars, address B. E. F., Box 17, THE NATIONAL PROVISIONER, 284 286 Pearl Street, New York; or 617-618 Manhattan Building Chicago.

Live Stock and General Provision Agent,

EDWD. HEYMANS, PARIS, France, 19 Rue Beranger.

Est'd 1872.) Telegr., Heymansius (A B C Code.)

TO BE DETACHED.

SUBSCRIPTION BLANK.

.....189..

The National Provisioner Publishing Co.,

284 & 286 PEARL STREET, NEW YORK:

Please enter my name as an Annual Subscriber for your paper, for which please find \$4 inclosed.

SUBSCRIPTIONS.		NAME	
Per Annum in the U. S. and Canada (in advance),	\$4.00	CITY AND STREET.....	
Foreign Countries, except Canada (in advance),	5.00	COUNTY AND STATE.....	

ROBERT GANZ & CO., Proprietors, 617-618 Manhattan Building, Chicago. 234-236 Pearl Street, New York.

PREPARED EXPRESSLY FOR PACKERS' USE.

THE Pacific Coast Borax Company's

STANDARD BRANDS OF

GRANULATED BORACIC ACID

AND REFINED POWDERED BORAX.

NECESSARY IN EVERY PACKING HOUSE.

PACIFIC COAST BORAX COMPANY, 253 Kinzie Street, CHICAGO.



.... The
Enterprise

Capacity fifty per cent.
greater than the same
size of the old pattern.

Absolutely Noiseless
as there are no gears.

NEW POWER MEAT CHOPPER



Tinned Case

No. 56	Corresponds in size with our No. 52	\$100.00
No. 66	Corresponds in size with our No. 62	\$225.00

Knives and plates
last twice as long.

The Enterprise Manufacturing Company of Pa.

Send for Illustrated Descriptive Circular.
Consult your Supply House.

Station Q, Philadelphia, Pa., U. S. A.

